This document was too large to scan as a single document. It has been divided into smaller sections.

Section 1 of 2

	Document 3	Information					
Document #	FH-0500144.8						
Title	ADMIN DECOMMISSIONING LETTER FOR WELLS WITH & WITHOUT SURVEYS						
Date	06/27/2006						
Originator	GALLAGHER RG FORD BH	Originator Co.	FH				
Recipient	KLEIN KA	Recipient Co.	DOE-RL				
References	DE-AC06-96RL1320 WAC-173-160-460	00, WHC-SD-EN-PI	R5-003-R0,				
Other							
Structure							

CORRESPONDENCE DISTRIBUTION/REVIEW COVERSHEET

DATE DUE TO RL:									
Contact Person:	Dick Bigge	rstaff/Barbara Howard	Phone No.:	373-3984/373-3871					
			Date:	JUN 2 7 2006					
Author:		Addressee:		Correspondence No.:					
R. G. Gallagher, FH	, 376-3576	K. A. Klein, RL		FH-0500144.18					
B. H. Ford, FH, 373-	-3809			Contract No.: DE-AC06-96RL13200					
CHIPTIC ADMI	ATTOTED ATELL		מספו מפוניות די	WELL OWITH AND WITHOUT					

SUBJECT: ADMINISTRATIVE DECOMMISSIONING LETTER FOR WELLS WITH AND WITHOUT

SURVEYS

INTERNAL DISTRIBUTION (attach additional sheet if needed)

Name	Location	w/att	Name	Location	w/att
Correspondence Control	A3-01	X	V. G. Johnson	E6-35	
R. L. Biggerstaff	E6-35	X	G. G. Kelty	E6-35	
J. V. Borghese	E6-35	X	J. G. Riddelle	E6-35	
L. J. Farrell	E6-35		L. C. Swanson	E6-35	
B. H. Ford	E6-35		J. A. Winterhalder	E6-35	
B. A. Howard	E6-35				
B. J. Howard	E6-35				

Review/Approve (Internal Distribution should also include those listed below)	Location	w/att	Com Yes	ments No	Date		ments porated No	Date
R. T. Wilde K Wilde	H8-44			~	4-23-06			
Prime Contracts POC	B3-70				, ,			
L. J. Hunter	<u> </u>				6/26/06			
Prime Contracts	B3-70	Ţ			6.27.06			
H. Hermanas	-				6.27.02	· · · · · · · · · · · · · · · · · · ·		
Office of the President	H5-20			V	6/27/66			

Commitment Date(s)/Action (Identify ALL external commitments, actions, and target completion dates in the letter and any attachments):

EXECUTIVE SUMMARY (when needed)

Transmits the recent results of an extensive effort being conducted by FH's Groundwater Remediation Project to identify wells on the Hanford Site that have been decommissioned, but have not been properly documented in the Hanford Well Information System (HWIS) - Well Inventory.

FLUOR

JUN 27 2006

FH-0500144.18 CONTRACT NO. DE-AC06-96RL13200

Mr. Keith A. Klein, Manager U.S. Department of Energy Richland Operations Office Post Office Box 550 Richland, Washington 99352

Dear Mr. Klein:

ADMINISTRATIVE DECOMMISSIONING LETTER FOR WELLS WITH AND WITHOUT SURVEYS

In accordance with Section C.2.6 of the PHMC, this correspondence transmits the recent results of a continued systematic effort by FH's Groundwater Remediation Project to identify unique well records on the Hanford Site (Site) that require *Administrative* Decommissioning.

Table 1 (Attachment 1) lists 54 unique well records numerically by Well ID and associated Well Name. These wells are listed as "Decommissioned" in "Appendix B" of document WHC-SD-EN-PRS-003, Rev. 0, entitled "Summary Report of Hanford Site Well Remediation and Decommissioning Activities for Fiscal Year 1995", by M. G. Gardner and A. L. Schatz. A thorough review of available well records was conducted and pertinent documentation available to administratively decommission these 54 wells is attached (Attachment 2).

A formal Well Name was assigned to 15 of the 54 wells and 3 of the 15 have no survey coordinates. A temporary well name was assigned to 39 wells of these wells and 30 of the 39 have no survey coordinates.

All wells on the Site are assigned a unique well identification number (Well ID) during the well construction planning process. Once a Well ID is assigned; e.g. A8996, that ID becomes a "unique well record" and the number cannot be used again, even if the well is never drilled. Well ID's, and other pertinent well data are tracked in the Hanford Well Information System (HWIS). The Well ID is also used as a "place holder" in the Well Name column in HWIS. Temporary well names, e. g. BH#1 or 116-B-5H, have been used, on occasion, but this is strongly discouraged. Once the well is completed, the "place holder" Well ID is replaced with a formal Well Name, such as 699-80-62. The well naming protocols are designed to convey the well's general location on the Site. For example,

Mr. Keith A. Klein Page 2 JUN 2 7 2006

"699" identifies the well as being in the 600 Areas, "80" indicates a specific region within the West Area, and "62" indicates it is the 62nd well drilled within that specific region. In the last twenty years or so, when a Well Name was assigned, the well would be surveyed and the coordinates and other pertinent well data entered into the HWIS. Prior to this, either some wells were not surveyed, or the survey information is no longer retrievable. Some wells are drilled to obtain "one-time" data, and are plugged to the surface before moving the rig off-location. These wells are not assigned a Well Name, but are surveyed to provide coordinates of record.

The Washington State Water Well Construction Act (1971), Chapter 18.104.020 RCW, defines Well Decommissioning as "...to fill or plug a well so that it will not produce water, serve as a channel for movement of water or pollution, or allow the entry of pollutants into the well or aquifers." In 1986, the Site became subject to Washington Administrative Code (WAC) requirements. WAC 173-160-460 defines the requirements for well decommissioning. A completed Water Well Report form is required to be transmitted (by the Driller) to the Washington State Department of Ecology (Ecology) when a well is decommissioned. This report provides the details of the well's construction and the steps taken to decommission (plug) the well. When the records available are insufficient to meet the specific requirements of the well decommissioning process, or there is no record of the transmittal, the wells are Administratively Decommissioned; i.e., all available information is provided to Ecology to demonstrate that the well was never drilled, or was drilled and subsequently plugged. Since many hundreds of wells were planned but not drilled, or drilled but subsequently plugged, between Site inception in 1943 and 1986, these wells are candidates for Administrative Decommissioning. In addition, records of some wells that were planned and not drilled, or drilled and plugged after 1986, apparently were inadvertently not transmitted to the State, as required.

Fifteen of the 54 wells in Attachments 1 & 2 have a Well ID, a formal Well Name, of which 12 have survey coordinates and 3 do not. Those with coordinates are 199-N-93A, 95A and 97A, 699-101-48C, 699-80-39B and 80-62, 83-36B, C, D, and E, 84-61B and 98-54A, and those without are 699-41-61A, B and C. Thirty-nine of the 54 wells have temporary well names of which 9 have survey coordinates and 30 do not. Those with coordinates are 116-B-5A, B, C, D, E, F, G, H and I, and those without are BH#1, BH#2, C-1-1 thru C-1-23, and DTTS-IT1 thru IT5. All 39 of the wells with temporary well names as well as wells 699-41-61A, B and C were installed with push technology and the holes were backfilled as the work-string was withdrawn. The remaining 12 wells with formal well names were conventionally drilled wells with the exception of 699-83-36B which was an old cistern (5 foot in diameter and 35 feet deep) from pre-Hanford days.

Mr. Keith A. Klein Page 3 JUN 2 7 2006

There are no transmittal letter records to indicate that Water Well Reports were transmitted to Ecology for any of these wells. This documentation will be used to change the Current Well Status to "Decommissioned - Verified" in the HWIS Well Inventory. Please inform Ecology of these changes.

If you have any technical questions, please contact Bruce Ford on 373-3809; contractual questions should be referred to Lori Hunter on 376-6986.

Very truly yours,

Ronald G. Gallagher

President and

Chief Executive Officer

Attachments - 2

RL -	W. W. Ballard	M. S. McCormick	S. A. Sieracki
	B. L. Charboneau	J. G. Morse	K. M. Thompson
	C. E. Clark	O. C. Robertson	A. C. Tortoso
	M. S. French	L. D. Romine	S. J. Veitenheimer
	J. B. Hebdon	J. F. Schwier	M. J. Weis

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JUN 2 7 2006

DOE-RL/RLCC

FH-0500144.18

ATTACHMENT 1

Table 1: A Listing of 54 Wells to be Administratively Decommissioned

Consisting of 2 pages, including coversheet

Table I
A Listing of 54 Wells to be Administratively Decommissioned

		······································			
_ 1	B2515	116-B-5A	31	B2585	C-1-13
2	B2516	116-B-5B	32	B2586	C-1-14
3	B2517	116-B-5C	33	B2587	C-1-15
4	B2518	116-B-5D	34	B2588	C-1-16
5	B2519	116-B-5E	35	B2589	C-1-17
6	B2520	116-B-5F	36	B2590	C-1-18
7	B2521	116-B-5G	37	B2591	C-1-19
8	B2522	116-B-5H	38	B2574	C-1-2
9	B2523	116-B-5i	39	B2592	C-1-20
10	A9879	199-N-93A	40	B2593	C-1-21
11	A9881	199-N-95A	41	B2594	C-1-22
12	A9883	199-N-97A	42	B2595	C-1-23
13	A9102	699-101-48C	43	B2575	C-1-3
14	B2430	699-41-61A	44	B2576	C-1-4
15	B2431	699-41-61B	45	B2577	C-1-5
16	B2432	699-41-61C	46	B2578	C-1-6
17	A8991	699-80-39B	47	B2579	C-1-7
18	A8996	699-80-62	48	B2580	C-1-8
19	B2475	699-83-36B	49	B2581	C-1-9
20	B2472	699-83-36C	50	A9983	DTTS-IT1
21	B2473	699-83-36D	51_	A9984	DTTS-IT2
22	B2474	699-83-36E	52	A9985	DTTS-IT3
23	A9033	699-84-61B	53	A9986	DTTS-IT4
24	A9096	699-98-54A	54	A9987	DTTS-IT5
25	A9971	BH#1			V 1.
26	A9972	BH#2	ļ		
27	B2573	C-1-1			
28	B2582	C-1-10			
29	B2583	C-1-11			
30	B2584	C-1-12			

FH-0500144.18

ATTACHMENT 2

Documentation to Support the Administrative Decommissioning of 54 Wells Listed in Table 1

Consisting of 302 pages, including coversheet

Administrative Decommissioning of wells from

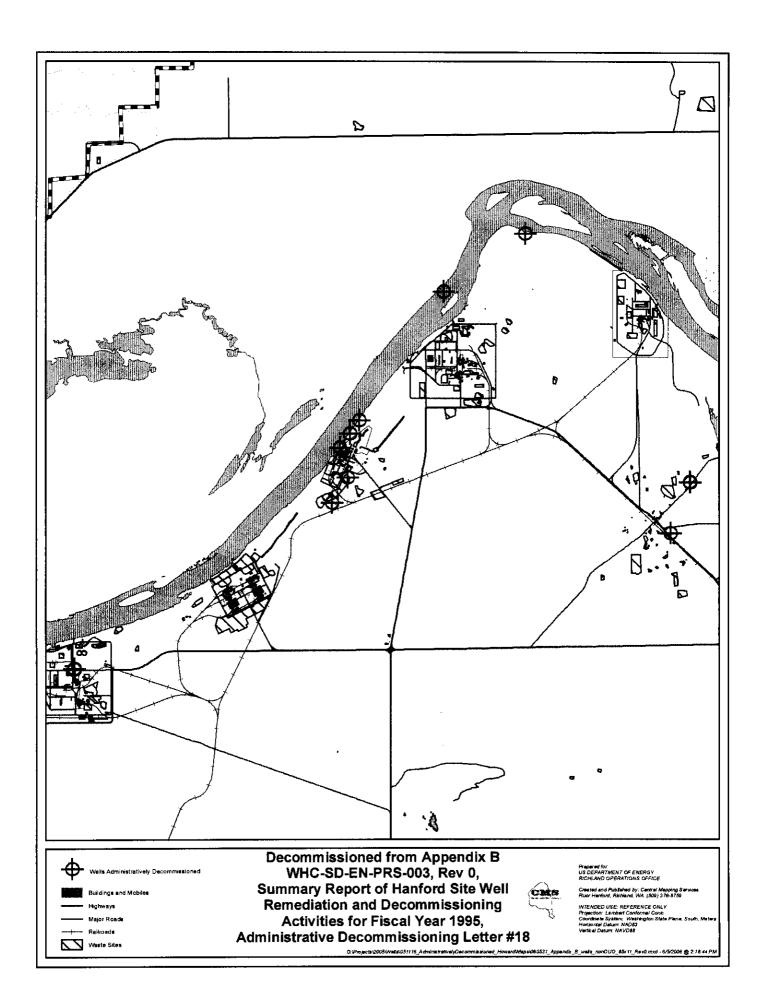
Summary Report of Hanford Site Well Remediation and Decommissioning Activities for Fiscal Year 1995 WHC-SD-EN-PRS-003, Rev. 0

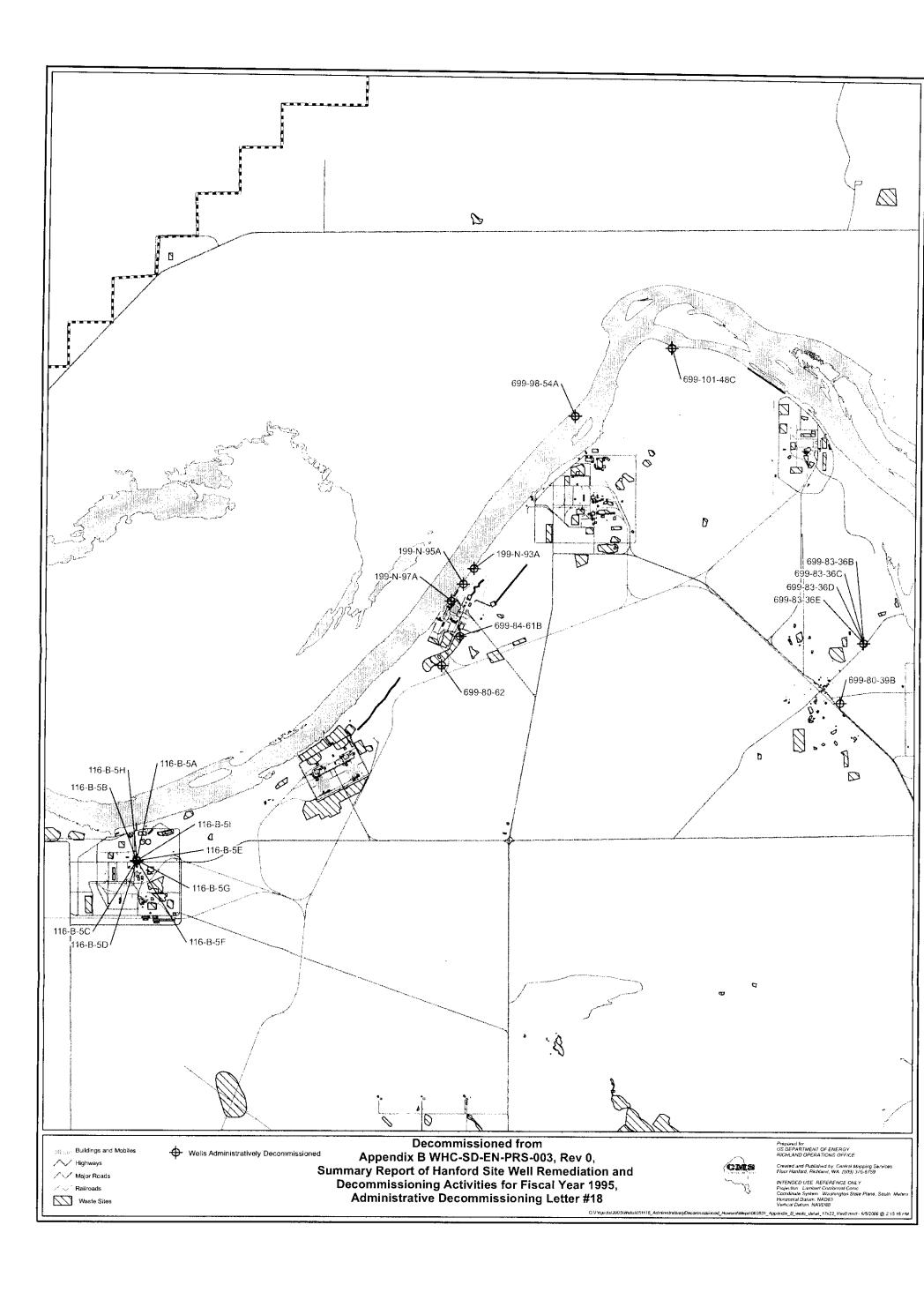
				STATUS			HOST									
	WELL ID	WELL NAME	STATUS	CHANGE DATE	WELL TYPE	WELL PURPOSE	WELL ID	ASSIGNED TO	ASSIGNED DATE	DRILL DATE	DRILL DEPTH	DTB	GW AOI	ELEVATION	EASTING	NORTHING
1	B2515	116-B-5A	DECOMMISSIONED	27-Jun-95	STANDARD	VADOSE	•	Amos, O.	27-Jun-95			!	100-BC-5		565287	144769
2	B2516	116-B-5B	DECOMMISSIONED	27-Jun-95	STANDARD	VADOSE		Schatz, A.L.	10-Jan-95				100-BC-5		565287	144762
3	B2517	116-B-5C	DECOMMISSIONED	27-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95				100-BC-5		565287	144754
4	B2518	116-B-5D	DECOMMISSIONED	27-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95				100-BC-5		565288	144754
5	B2519	116-B-5E	DECOMMISSIONED	28-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95			1	100-BC-5		565291	144754
6	B2520	116-B-5F	DECOMMISSIONED	28-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95				100-BC-5		565293	144754
7	B2521	116-B-5G	DECOMMISSIONED	28-Jun - 95	STANDARD	VADOSE		Amos, O.	27-Jun-95				100-BC-5		565293	144762
8	B2522	116-B-5H	DECOMMISSIONED	28-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95				100-BC-5		565293	144769
9	B2523	116-B-5I	DECOMMISSIONED	28-Jun-95	STANDARD	VADOSE		Amos, O.	27-Jun-95		·=	,	100-BC-5		565289	144754
10	A9879	199-N-93A	DECOMMISSIONED	19-Oct-94	STANDARD	GROUNDWATER		_					100-NR-2	120.787	571560	150260
11	A9881	199-N-95A	DECOMMISSIONED	18-Oct-94	STANDARD	VADOSE							100-NR-2		571360	149970
12	A9883	199-N-97A	DECOMMISSIONED	11-Oct-94	STANDARD	VADOSE							100-NR-2	120.845	571140	149650
13	A9102	699-101-48C	DECOMMISSIONED	13-Dec-94	STANDARD	GROUNDWATER		Schatz, A.L.	01-Dec-92	31-May-43	77	6.89	9 100-HR-3-D	119.506	575222.887	154411.007
14	B2430	699-41-61A	DECOMMISSIONED	29-Oct-94	STANDARD	VADOSE		_			:					-
15	B2431	699-41-61B	DECOMMISSIONED	04-Nov-94	STANDARD	VADOSE							-	: 	<u> </u>	
16	B2432	699-41-61C	DECOMMISSIONED	08-Nov - 94	STANDARD	VADOSE								i		
17	A8991	699-80-39B	DECOMMISSIONED	26-Sep-95	STANDARD	GROUNDWATER		Schatz, A.L.	01-Dec-92	28-Feb-44	53	53	3 100-FR-3	124.365	578418.39	147763.27
18	A8996	699-80-62	DECOMMISSIONED	09-May-95	STANDARD	GROUNDWATER		Schatz, A.L.	01-Dec-92			28.1	1 100-KR-4	135.169	570966.028	148433.996
19	B2475	699-83-36B	DECOMMISSIONED	26-Sep-95	STANDARD	VADOSE		D.E.	31-May-95				100-FR-3	128.5	578851	148895.1
	B2472		DECOMMISSIONED	21-Sep-95	STANDARD	UNKNOWN		D.E.	31-May-95			· 	100-FR-3	129.5	578849.5	148896.7
21	B2473	699-83 - 36D	DECOMMISSIONED	21-Sep-95	STANDARD	UNKNOWN		D.E.	31-May-95				_ 100-FR-3	129.7	578852.5	148893.3
22	B2474	699-83-36E	DECOMMISSIONED	21-Sep-95	STANDARD	UNKNOWN		D.E.	31-May-95				100-FR-3	129.6	578851	148897.6
23	A9033	699-84-61B	DECOMMISSIONED	26-Jul-95	STANDARD	GROUNDWATER		Schatz, A.L.	01-Dec-92	31-Dec-72	115	12.9	9 100-NR-2	144.495	571306.011	148989.535
24	A9096	699-98-54 A	DECOMMISSIONED	01-Oct-94	STANDARD	GROUNDWATER		Schatz, A.L.	01-Dec-92				- -		573425	153123
·	A9971	BH#1	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE			<u> </u>				_		!	
	A9972		DECOMMISSIONED	22-Jul-97	STANDARD	UNKNOWN						· 		<u> </u>		
27	B2573	C-1-1	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			. <u>i</u> .		:	<u>-</u>	
28	B2582	C-1-10	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95					 		
29	B2583	C-1-11	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95				- .			
30	B2584	C-1-12	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			!		· ·	- <u>-</u>	
31	B2585	C-1-13	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95				_	·	<u></u>	
32	B2586	C-1-14	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			<u>.</u>	4	: 		
33	B2587	C-1-15	DECOMMISSIONED	22 - Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			· 		<u> </u>		

Administrative Decommissioning of wells from

Summary Report of Hanford Site Well Remediation and Decommissioning Activities for Fiscal Year 1995 WHC-SD-EN-PRS-003, Rev. 0

	.			STATUS CHANGE		10 10 10 10 10 10 10 10 10 10 10 10 10 1	HOST WELL		ASSIGNED		DRILL			1		
	WELL ID	WELL NAME	STATUS	DATE	WELL TYPE	WELL PURPOSE	ID	ASSIGNED TO	DATE	DRILL DATE	DEPTH	DTB	GW AOI	ELEVATION	EASTING	NORTHING
34	B2588	C-1-16	DECOMMISSIONED	22-Jui-97	STANDARD	VADOSE		Moak, D.	01-Aug-95							
35	B2589	C-1-17	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			!		<u> </u>		
36	B2590	C-1-18	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95							
37	B2591	C-1-19	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			:				
38	B2574	C-1-2	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95							
39	B2592	C-1-20	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95			:				
1.	B2593		DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95							
		C-1-22	DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95						······	
1 - 1 -	B2595		DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		Moak, D.	01-Aug-95						<u>.</u>	
) ·	B2575		DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95							
j	B2576		DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95			<u>. </u>				
- · -	•	C-1-5	DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95			,			·	
<u> </u>	B2578		DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95							
	B2579		DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95			:				
1		-	DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95			<u>.</u>				
		C-1-9	DECOMMISSIONED		STANDARD	VADOSE		Moak, D.	01-Aug-95							
	A9983	DTTS-IT1	DECOMMISSIONED			VADOSE									·	
	A9984	DTTS-IT2	DECOMMISSIONED		STANDARD	VADOSE										
		DTTS-IT3	DECOMMISSIONED		STANDARD	VADOSE						:				
		DTTS-IT4	DECOMMISSIONED		STANDARD	VADOSE						!				
54	A9987_	DTTS-IT5	DECOMMISSIONED	22-Jul-97	STANDARD	VADOSE		·								





TELD ORDER NO	B2515							NORTHING		1/1801 14769		
WELL NAME HOST WELL ID	116-B-5A		 			DATE DEPTH		EASTING ELEVATION	56	5287		
	AST INSPECTION	INFO	RMATIO	N			CURREN	T INSPECTION INFO	RMA	TION		
WELL PAD	<u> </u>		YES	il N	 IO	✓ ND*	WELL PAD		·-· ,	YES		NO
BRASS SURVEY MARK	ER		YES	LLL N		✓ ND*	BRASS SURVEY MARK	ER		YES		NO
MARKER STAMPED W	ITH SURVEY DATA		YES			₩ ND*	MARKER STAMPED W	TH SURVEY DATA		YES	577	NO
MARKER STAMPED W	ITH WELL ID DATA		YES	N		✓ ND*	MARKER STAMPED W	TH WELL ID DATA			,	NO
WELL LABELED WITH	WELL ID	th	YES	N		✓ ND*	WELL LABELED WITH	hireli TB	Ö,			NO
WELL LABELED WITH	WELL NAME	<u></u>	YES			Vi ND*	WELL LABELED WITH		,	YES		NO
PROTECTIVE POSTS		1	YES	r : :		✓ ND*	PROTECTIVE POSTS			YES		NO
REMOVABLE POST IN	PLACE			N		✓ ND*	REMOVABLE POST IN	PLACE		YES		NO
WELL LOCK			YES	III N		✓ ND*	WELL LOCK		Ċ.	YES	Γ.	NO
WELL DAMAGED			YES		10	✓ ND*	WELL DAMAGED			YES		NO
WELL IS DRY	·	Ī	YES		10	✓ ND*	WELL IS DRY			YES		NO
PARTED CASING		-	YES			✓ ND*	PARTED CASING		, —,	YES		NO
BENTONITE IN WELL			YES			✓ ND*	BENTONITE IN WELL		,	YES		NO
WELL SANDED IN			YES	<u></u>		✓ ND*	WELL SANDED IN			YES		NO
COLLAPSED CASING						✓ ND*	COLLAPSED CASING			YES		NO
UIPMENT IN WELL	<u></u>	+	YES			✓ ND*	EQUIPMENT IN WELL			YES	: **:	NO
DEBRIS IN WELL			YES		,	✓ ND*	DEBRIS IN WELL			YES		NO
SURFACE EROSION			MAJOR				SURFACE EROSION		- : : i	MAJOR		
!			MINOR					.]		MINOR		
	LAST PUMP IN	VFORM.	ATION				CUR	RENT PUMP INFORM	IATI	ON		
PUMP ACTIVITY PERI	FORMED		INSTA	LLED			PUMP ACTIVITY PERF	ORMED		INSTAI		
:			REPLA			✓ ND*				REPLA		
			REMO	VED	,		PUMP TESTED		-=	REMO	/ED	
PUMP TESTED		- ,	YES	<u>'</u>	1 O	✓ ND*	·	!		YES		NO
NEW PUMP			YES		O	₩ ND*	!NEW PUMP		_ <u></u>	YES		NO
ACTIVITY PEFORMED) BY	!ND*					ACTIVITY PEFORMED					
DATE ACTIVITY PERI	FORMED						DATE ACTIVITY PERF	ORMED				
PUMP TYPE		ND*					PUMP TYPE	i				
PUMP MAKE		ND*					PUMP MAKE					
PUMP MODEL		ND*					PUMP MODEL	:				
PUMP INTAKE DEPT	· (代)	:					PUMP INTAKE DEPTH	(ft)				
TUBING SIZE (in)							TUBING SIZE (in)					
TUBING MATERIAL	·	ND*					TUBING MATERIAL		-			
TUBING LENGTH (ft)							TUBING LENGTH (ft)					
BING CONNECTION	N	ND*					TUBING CONNECTIO	N !				

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2515 116-B-5A		CONST DATE		LAST INSPECTI NORTHING EASTING ELEVATION	ON 1/1/1801 144769 565287
	MEASUREMEN	IT INFORMATION				
	· · · · · · · · · · · · · · ·	LAST	CURRENT		<u> </u>	
A DEPTH TO WATER(f	t)					
DEPTH TO WATER D	DATE]	
B:DEPTH TO BOTTOM	(ft)					
DEPTH TO BOTTOM	DATE					
C STICK UP(ft)						A
DIREFERENCE MARK(f	t)			= !		
REFERENCE MARK I	S TOC YES	NO ₩ ND*	YES . NO			В
		N INFORMATION				
CASING SIZE TO		CUTS/FT/ROUND		•	Depth to Water	
CHANGES	····				Depth to Bottom of S	Well of Casing
	CASING I	NFORMATION		B DEPTH TO	D WATER FROM TOP OF D BOTTOM OF WELL FR ASING TO GROUND SU ASING TO SURVEY RE	F CASING COM TOP OF CASING IRFACE/PAD
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONNECT	ION THICKNES	55
CHANGES						
	SCREEN I	NFORMATION				
SIZE TOP	воттом	MATERIAL	Т	YPE	SLOT SIZ	E
CHANGES						

B2515

File Original and Pirst Copy with Department of Ecology Second Copy — Owner's Copy

WATER WELL REPORT

STATE CONSING. A 32071
UNIQUE WELL LD. 9 Note attaches

OWNER: Name	Dest. a	of Energ	24 -	- Richland, Wash		
LOCATION OF WE		Bento		NE M SE MS II T	12 -	755
 LOCATION OF WE STREET ADORESA 			100 B Q			<u>() e</u> wm)
PROPOSED USE:	□ Domesic			(10) WELL LOG OF ASIANDONMENT PROCEDURE		
, PROPUSEU USE.	☐. Ifrigerion ☐ DeWater	Industrial Test Well	Municipal Oper + 181/2	Formation: Describe by color, character, size of meserial and structure, an	d show thickne	es of aquifors
TYPE OF WORK:	Owner's number of v	well		and the tind and repire of the material in each stretum pacetisted, was change of information.	M WAN One	entry for each
	New well 🗀	Method: Dug 🗆	Bores []	MATERIAL	PROM	то
	Peepened	Cable 🗀 Rotary 🗅	Driven (□ Jetied (□	The affacted there preside	Charle .	
DIMENSIONS: DI	emeler of well		inches.	and immediately a bandon	N'	<u> </u>
Drilled	eet. Depth of comple	ered well	t.	THE WORTE GOO.	-	
CONSTRUCTION	DETAILS:			116 B-5 (116 all holes	-	
Casing Installed:	Diam.	. from ft.	to ft.	beckfilled with Lyntonia	*	
Welded		framT.		Essential of the Comme		
Threeded	Diam.	fromft.	toft.	was servered. Unique!		
Perforellane: Yes	No 🗋			well to runlewont		
Type of perforator used SiZE of perforations		in. by	in.	week are also moted.	 	
		ñ. to				
			h.			
perforesic	ons from	ft. 10	h		<u> </u>	
Screens: Yes 🗀	No 🔲					
Manufacturer's Name			ladel No.		1	1
Type Slot eize	from		. to	and immediately	a.Day	0 10 x
DiamStor size	from		. toft.		 	
Gravel packed: Yes	O No D	Size of gravel				
Gravel placed from		n. to	R.			
Surface seal: Yes	No To	o what depth?	ft.		 -	
Material veed in seal					-	
Did any strain contain us	uraspie majas) , już				 -	
Type of water? Method of sealing strate	off	Departors:		·		
PUMP: Manufaceure Type:	r's Name	, 	H.P.			
	Land-surface alevation			6/27/95 10 20 6/3	5	198
WATER LEVELS:	Michael Magn Ses lavel	t. below top of well. Do	t	Work Started 9 1-112,18, Completed 07	<u>-</u>	
Armien present		pe, per sejuana iran Da		WELL CONSTRUCTOR CERTIFICATION:		
Aridian water	is conveiled by	√Cap. va≥-e.	, etc.)	I constructed and/or eccept responsibility for construction compilance with all Washington well construction standard		
WELL TESTS: De	redown is afficient with	car invest in benefited by	iou mule impl	the information reported above are true to my best knowled	de and police	
Was & pump test made?		If you. By whom?		NAME WATER DOYPHAMENT HE	notes	d
Yield:ge	./min, with	T. drawdown all	er hrs.	P. A. D. MARION PROCESSION OF THE CO.		1/2
<u> </u>			<u> </u>	Actions P.O. BOX 7194, Wes	Kick	Jana
Recovery data (time take	n as sam when cumb	n language (with the	Instanced from well	(Signed) 1 100m	4 No. 2	7 <i>73</i>
top to water level) Time Water Level		ner Lavel Time	1			
				Contractor's Registration	フヘ	011
·			- 	10 601-546-086 00 Sept.		. 10 Z 7
Date of test				(USE ADOITIONAL SHEETS IF NECESS	(ARY)	
The bedget				Series is an Equal Original with		Fa
	M_/min. with stem sec	#	a	Ecology is an Equal Opportunity and Allimitative Action cial scoommodation needs, contact the Water Resource	rocrem	at (206) ?
		mulyola mada? Yes	D 0	407-6600. The TDD number is (206) 407-6008.		ar in sec.
	_ ′	-				2.0

116-B5 Crib , 100 BC Area

RE: Notice to Decommision # A32071

Unique Well ID#	Depth (ft)	Date Abandoned
B2515	15	6/27/95
B2516	15	6/27/95
B2517	7	6/27/95
B2518	15	6/27/95
B2519	15	6/28/95
B2520	15	6/28/95
B2521	15	6/27/95
B2522	15	6/27/95
B2523	15	6/28/95

, B2524 thru B2534 - CANCELLED



Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_I	DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2515	116-B-5A	06/27/1995		DECOMMISSIONED		

Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID	WELL_NAME	STATUS	STATUS_CHANGE_DATE STATUS_CHANGE_COMMENT
B2515	116-B-5A	DECOMMISSIONED	06/27/1995

TELD ORDER NO LELL ID B2516 WELL NAME 116-B- HOST WELL ID		CONST DATE	LAST INSPECTION NORTHING EASTING ELEVATION	1/1/1801 144762 565287	
LAST INSP	PECTION INFORMATION		CURRENT INSPECTION INFO	DRMATION	
WELL PAD	YES	NO ☑ ND*	WELL PAD	YES	□ NO
BRASS SURVEY MARKER	L YES [NO ¥ ND*	BRASS SURVEY MARKER	YES	□ NO
MARKER STAMPED WITH SURVE	Y DATA YES	NO MND*	MARKER STAMPED WITH SURVEY DATA	YES	NO
MARKER STAMPED WITH WELL!	ID DATA YES	NO V ND*	MARKER STAMPED WITH WELL ID DATA	YES	NO
WELL LABELED WITH WELL ID	YES	NO ¥ ND*	WELL LABELED WITH WELL ID	YES	NO
WELL LABELED WITH WELL NAM	1E YES	NO ✓ ND*	WELL LABELED WITH WELL NAME	YES	□ NO
PROTECTIVE POSTS	YES	NO ₩ ND*	PROTECTIVE POSTS	YES	NO
REMOVABLE POST IN PLACE	YES	NO ✓ ND*	REMOVABLE POST IN PLACE	YES	NO
WELL LOCK	YES	NO ✓ ND*	WELL LOCK	YES	_ NO
WELL DAMAGED	YES	NO ✓ ND*	WELL DAMAGED	YES	NO
WELL IS DRY	YES	NO ✓ ND*	WELL IS DRY	YES	NO
PARTED CASING	YES	NO ▼ ND*	PARTED CASING	YES	_ NO
BENTONITE IN WELL	YES	NO ✓ ND*	BENTONITE IN WELL	YES	NO
WELL SANDED IN	YES	NO ⊻ ND*	WELL SANDED IN	YES	□ NO
COLLAPSED CASING	YES	NO V ND*	COLLAPSED CASING	YES	NO
LQUIPMENT IN WELL	YES	NO ND*	EQUIPMENT IN WELL	YES	∏ NO
DEBRIS IN WELL	YES	NO ¥ ND*	DEBRIS IN WELL	YES	NO
SURFACE EROSION	MAJOR	NONE	SURFACE EROSION	MAJOR	NONE
	MINOR N	ND*		MINOR	
	PUMP INFORMATION		CURRENT PUMP INFORM		- <u>-</u>
PUMP ACTIVITY PERFORMED	INSTALLE		PUMP ACTIVITY PERFORMED	INSTALL	
	REPLACE			REPLAC	
PUMP TESTED	TYES	NO ₩ ND*	PUMP TESTED	YES	
NEW PUMP		NO V ND*	NEW PUMP	YES	NO
ACTIVITY PEFORMED BY	YES . !ND*	I NO (4) NO	ACTIVITY PEFORMED BY		NO
DATE ACTIVITY PERFORMED			DATE ACTIVITY PERFORMED		
: PUMP TYPE	ND*		PUMP TYPE		
PUMP MAKE	ND*		PUMP MAKE		
PUMP MODEL.	ND*		PUMP MODEL		
PUMP INTAKE DEPTH (ft)			PUMP INTAKE DEPTH (ft)		
TUBING SIZE (in)			TUBING SIZE (in)		
TUBING MATERIAL	ND*		TUBING MATERIAL		
TUBING LENGTH (ft)			TUBING LENGTH (ft)		
SING CONNECTION	ND*		TUBING CONNECTION		

FIELD ORDER WELL ID WELL NAME	NO B2516 116-B-58		CONST DATE		LAST INSPECTION NORTHING	1/1/1801 144762
HOST WELL I	: : :-:		CONST DATE CONST DEPTH		EASTING ELEVATION	565287
	MEASUREMEN	T INFORMATION			- ·	
		LAST	CURRENT		$\begin{bmatrix} & & & & & & & & & & & \\ & & & & & & & $	
A DEPTH TO WA						
DEPTH TO WA	TER DATE					
B DEPTH TO BO						
DEPTH TO BO						
C STICK UP(ft)					^	
D REFERENCE M						
IREFERENCE M	ARK IS TOC YES	– NO ✓ ND)* YES NO			В
		N INFORMATION	· · · · · · · · · · · · · · · · · · ·			
CASING SIZE	ТОР ВОТТОМ	CUTS/FT/ROUND				
CASING SIZE	TOP BOITON	CO15/FI/ROUNL			▼ Depth to Water	
CHANGES						
CHARGES					 Depth to Bottom of Well	
						o Bottom of Casing
					TO WATER FROM TOP OF CAS	
					I TO BOTTOM OF WELL FROM 1 F CASING TO GROUND SURFA	
	CASING IN	IFORMATION	-	D TOP O	F CASING TO SURVEY REFERE	NCE MARKER
SIZE T	ОР ВОТТОМ	MATERIAL	TYPE	CONNE	CTION THICKNESS	
						i
CHANGES					···	
					····	
	SCREEN IN	IFORMATION				
SIZE T	OP BOTTOM	MATERIAL	ТҮР	PE	SLOT SIZE	1
CHANGES						

File Original and First Copy with Department of Ecology . Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT STATE OF WASHINGTON WATER NAME

Start Card No.	32071
UNIQUE WELL LD.	note attachme

N/A

<u></u>	OWNER None Dept. of Energy	- Richland Wosh	==
''-			
.2)	LOCATION OF WELL: CONV. Benton	<u>NE 14 SE 14 SE 11 t 13 N. R. 25 E</u>	W.ML
(2a)	STREET ADDRESS OF WELL (or hearest address) 100 B QA	ea, Hanford Site (1168-5 Crib)	
(3)	PROPOSED USE: Dometric Industrial D Municipal D	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION	
(4)	TYPE OF WORK: Owner's number of well	Formation: Describe by color, character, sign of material and structure, and show thickness of any and the kind and heave of the material in each stratum personaled, with at least one entry for charge of information.	
(-)	(is store plant only)	MATERIAL FROM TO	==
	Abandoned M New Well Method: Dug Bored Despend Cable Driven	The attacked thent provide	
	* Reconditioned O Rotary O Jessed O	information on help installed	_
(5)	DIMENSIONS: Diemeter of west inches.	and ingredicted a bandon at	
Ï	Drilled feet. Depth of completed well t	nt the 100 PC G. ea.	
		1168-5 (ib all holes	
(6)	CONSTRUCTION DETAILS:	were 4314 diameter and	
	Casing Installed: Diam. from 1. to 1. Welder Diam. from 1. to 1.	backfilled with bentonite	
	Lines installed	cumbles a the carino	
	Threaded Diam. from R. to R.	was servered. Unique	
_	Perforstione: Yes No D	will In rum lieral rest	
	Type of petiorator used	heed and also should	
	SIZE of perforationsin. byin.		
	perforations fromft, toft.		
	perforations fromft. toft.		
	perforations fromft toft.		
	Screens: Yes No 🗆		
	Manufecturer's Name \		
	Type Model No		
	Diam. Slot eize / from ft. to ft.		
	Diam, Slot size from ft. to ft.		
-	Grevel packed: Yes 🔲 \ No 🔲 Size of grevel		
	Gravel placed from		
	Surface seal: Yes No To what depth?		
	Material used in seal		
	Did any strata contain unusable water Thes No		-
	Type of water? Depth of strate		
	Method of sealing strate off		
n	PUMP: Hanulacturer's Name		
	Тур»:	West Street 6/27/45 to Company 6/28 10	~~
(8)	WATER LEVELS: Land-surface elevation \ shows mean sea level \ .	Werk Started 6/2/173 19. Completed 6/28 18	<u>/></u>
	Static level N. below top of well Date	WELL CONSTRUCTOR CERTIFICATION:	
	Artesian mater is controlled by	I constructed and/or protect expectablely, her constructed of the party	la a
	(Co. voire, de.)	I constructed and/or accept responsibility for construction of this well, and compliance with all Weakington well construction standards. Materials used a	
(B)	WELL TESTS: Drewdown is amount water level is lowered helow static level	the information reported above are true to my best knowledge and belief.	
\- '	Was a pump test made? Yes No 11 yes. by whom?	Water Paul Muent Hartard	
	Yield:	(PERSON FIRST CAPACITIES) (TYPE CA PRINT)	- ,
_		PO Box 4194 West Police	N
		The state of the s	<u> </u>
_	Recovery data (time taken as zero when pump turned off) (water level measured from well	(Signed) 2277	<u> 2</u>
	top to water level) Time Water Level Time Water Level Time Water Level		
-		Committee	.
		No. 601-546-086 Date Sest 20 199	14
		(USE ADDITIONAL SHEETS IF NECESSARY	
	Does of land	(ODE NOTITIONAL STEELS IN RECESSARY	
•	Balar test gal./min. with ft. drawtises wher hrs.	Seiter La Control of the Control of	
	threat gal/min, with stem set at A, for hvs.	Ecology is an Equal Opportunity and Affirmative Action employer. For an cial accommodation needs, contact the Water Resources Program at (20	101 55
	Anaden flow g.p.m. Deta	407-6500. The TDD number is (206) 407-6008,	
	Temperature of water West is observiced analysis made? Yest 🔲 No 🖸		4

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2516	116-B-5B	06/27/1995	DECOMMISSIONED		

TELD ORDER NO SELL ID B2517 WELL NAME 116-B-5C HOST WELL ID			T DATE	LAST INSPECTIO NORTHING EASTING ELEVATION	N 1/1/1801 144754 565287	
			·			
	ON INFORMATIO	N ,		CURRENT INSPECTION IN	FORMATION	
WELL PAD	YES	NO	ı ⊻ ND*	WELL PAD	YES	NO NO
BRASS SURVEY MARKER	YES	NO	✓ ND*	BRASS SURVEY MARKER	YES	□ NO
MARKER STAMPED WITH SURVEY DA	TA YES	NO	✓ ND*	MARKER STAMPED WITH SURVEY DATA	YES	□ NO
MARKER STAMPED WITH WELL ID DA	TA YES	NO	✓ ND*	MARKER STAMPED WITH WELL ID DATA	YES	Ом
WELL LABELED WITH WELL ID	YES	□ NO	✓ ND*	WELL LABELED WITH WELL ID	YES	NO
WELL LABELED WITH WELL NAME	YES	. NO	✓ ND*	WELL LABELED WITH WELL NAME	YES	NO
PROTECTIVE POSTS	YES	NO	✓ ND*	PROTECTIVE POSTS	YES	! NO
REMOVABLE POST IN PLACE	☐ YES	NO NO	✓ ND*	REMOVABLE POST IN PLACE	YES	□ NO
WELL LOCK	YES	□ NO	✓ ND*	WELL LOCK	YES	NO
WELL DAMAGED	YES	NO	✓ ND*	WELL DAMAGED	YES	NO
WELL IS DRY	YES	□ NO	✓ ND*	WELL IS DRY	YES	□ NO
PARTED CASING	YES	NO.	✓ ND*	PARTED CASING	YES	□ NO
BENTONITE IN WELL	YES	NO	✓ ND*	BENTONITE IN WELL.	YES	. NO
WELL SANDED IN	YES	NO	✓ ND*	WELL SANDED IN	YES	NO
OLLAPSED CASING	YES	□ NO	✓ ND*	COLLAPSED CASING	YES	□ NO
LQUIPMENT IN WELL	YES	NO	✓ ND*	EQUIPMENT IN WELL	_ YES	NO
DEBRIS IN WELL	YES	NO	✓ ND*	DEBRIS IN WELL	YES	NO
SURFACE EROSION		NON		SURFACE EROSION		NONE
	MINOR		L		MINOR	·=····································
LAST PUMP	INFORMATION		·•	CURRENT PUMP INFO	RMATION	
PUMP ACTIVITY PERFORMED	INSTAL	LLED		PUMP ACTIVITY PERFORMED	[INSTAL	.LED
· ·	REPLAC	CED	✓ ND*	I	[REPLAC	CED
	REMO\	/ED			REMOV	
PUMP TESTED	L_ YES	NO	✓ ND*	PUMP TESTED	i. YES	□ NO
NEW PUMP	U YES	□ NO	✓ ND*	NEW PUMP	YES	NO
ACTIVITY PEFORMED BY	!ND*			ACTIVITY PEFORMED BY		
DATE ACTIVITY PERFORMED	<u> </u>			DATE ACTIVITY PERFORMED		
PUMP TYPE	ND*			PUMP TYPE		
PUMP MAKE	ND*			PUMP MAKE		
PUMP MODEL	ND*			PUMP MODEL		
PUMP INTAKE DEPTH (ft)				PUMP INTAKE DEPTH (ft)		
TUBING SIZE (in)				TUBING SIZE (in)		
TUBING MATERIAL	ND*			TUBING MATERIAL		
TUBING LENGTH (ft)		,		TUBING LENGTH (ft)		
BING CONNECTION	:ND*			TUBING CONNECTION		

FIELD ORDI	ER NO					LAST INSPECTIO		early to the second
WELL ID	=	B2517 116-B-5C		CONST DATE		NORTHING EASTING	1447 5652	er and the second second
WELL NAME HOST WELL		110-B-3C		CONST DEPTH		ELEVATION	3032	
		MEASUREMEN	T INFORMATION					
			LAST	CURRENT		<u> </u>	1 1	- ; ;
A DEPTH TO	WATER(fi				-	c		
DEPTH TO								
BIDEPTH TO								<u>:</u>
DEPTH TO		<u> </u>			-			:
CISTICK UP(f	t)						A	
D REFERENCE		t)					}	
REFERENCE	E MARK I	S TOC YES	NO ✓ ND	* YES NO				ŧ
		PERFORATIO	N INFORMATION		.			
CASING SIZ	E TO	P BOTTOM	CUTS/FT/ROUND	1		Depth to Water		
							*	
CHANGES								
					De	epth to Bottom of V	¥	om of Casing
					A DEPTH TO	WATER FROM TOP OF		
						BOTTOM OF WELL FR		
		CASING I	NFORMATION			SING TO GROUND SU SING TO SURVEY REF		
SIZE	ТОР	воттом	MATERIAL	ТҮРЕ	CONNECTION	ON THICKNES	iS	•
		1						
		,						
CHANGES								
		SCREEN I	INFORMATION					
· CTTE	TOR			-	VDE	CI AT CTT	<u>.</u> ;	
SIZE	TOP	ВОТТОМ	MATERIAL	ľ	YPE	SLOT SIZE	:	
CHANGES								
CHARGES								
			.					
· · · · · · · · · · · · · · · · · · ·								

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2517	116-B-5C	06/27/1995	DECOMMISSIONED		

B 25
File Original and First Copy with Department of Ecology

WATER WELL REPORT

note attachme

	Cupy — Sixin a Copy	WASHINGTON Water Right Partnet No. N/A	<u> </u>
<u> </u>		- Richland, Wosh	
2)	LOCATION OF WELL: COM Benton	NE IN SE INS. 11 T. 13 N.A.	<u> 25 E</u> wn
2a)	STREET ADDRESS OF WELL (or housest address) 100 B Qu	ea, Hanford Site (116B-5 Crib	()
3)	PROPOSED USE: Domestic Industrial Municipal D	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIP	ПОН
	Dewaler Test Well Oper 18 1	Formation: Describe by color, character, size of material and smucture, and show tricking and the kind and nature of the material in each stratum penetrated, with at least one	
4)	TYPE OF WORK: Owner's number of well (If more than one)	change of information.	
	Abandoned M New well Method: Dup Bored	MATERIAL PROM	TO
	Cable D Oriven D Reconditioned D Rolley D Jetted D	The affacted there preside	
5)	DIMENSIONS: Diameter of westinches.	and immediately a to waterfeld	
*	Drilled feet. Depth of completed well 1	at the 100 PC B. 12.	
<u> </u>		1168-5 (cip all holes	
6)	CONSTRUCTION DETAILS:	were 43/4 diameter and	
	Casing installed: Diam. from ft. to ft. Welded Diam. from ft. to ft.	backfilled with luntonets	<u> </u>
	Welded	cultibles a the carrie	
		was servered. Unique!	
	Perforations: Yes No 🗍	well to runberdout	1
	Type of perforations	weed an alex rioled.	
			
	perforations from to to the first to the fir		
	Screens: Yes No		
	Manufacturer's Name		
	Type Moder No		 -
	Diam, Sloc eize from h. to R.		
	Diam, Slot size from n to n		T
	Grave! packed: Yes 🗌 \ No 💭 Size of gravel		
	Gravel placed fromft.		
_	Surface seal: Yes No To what depth?ft.		
	Material used in seal		\
	Did any strata contain unusable water Yes No		\
	Type of water? Depth of strets		-
	Method of sealing stress off		1-7
7)	PUMP: Manufacturer's Name		
•,	Type: H.P	,	
8)	WATER LEVELS: Land-surface sevation	Work Started 6/27/95,19, Completed 6/28	10 73
	Static level		
	Arpellan protessoro Ba. per siguero inon Osse	WELL CONSTRUCTOR CERTIFICATION:	
	Afterian water is committed by	I constructed and/or accept responsibility for construction of this w	
<u>~</u>		compliance with all Washington well construction standards, Material the information reported above are true to my best knowledge and bell	
8)	WELL TESTS: Drawdown is amount water level is tolyered below static level Was a pump best made? Yes	Water Auglinment Hards	ا ا
	Yield: ft. drawdown after hrs.	NAME WILL CHEMON PIPEL CHEMON (NYE OR PRINT)	
_		PO Box 4194 West Rin	Llana
		Additional Property of the Pro	<u> </u>
	Recovery data (time taken as zero when pump turned of) (water level measured from well	(Signed) Change No.	773
T	top to water level Time Water Level Time Water Level Time Water Level		
		Contractor's Registration of multi-pool Sect 70	01
		10 501-546-086 00 Jept. 20	_10 94
	Date of that	(USE ADDITIONAL SHEETS IF NECESSARY)	. 10
	Baller bust na na na.		4) 1
	Alneur	Ecology is an Equal Opportunity and Affirmative Action employer	
	Artesian flow	cial accommodation needs, contact the Water Resources Program	

ELL ID WELL NAME	B2518		CONST DATE			LAST INSPECTION NORTHING	1	1/1/1801 144754 565288				
HOST WELL ID	110-D-3D				CONST DAT			EASTING ELEVATION		265288		
WELL PAD	AST INSPECTIO			N				WELL PAD)RM	IATION		
BRASS SURVEY MARKE	:D		YES		NO		ND*	· · · · · · · · · · · · · · · · · · ·		YES	- 1	NO
				. !	NO		ND*	BRASS SURVEY MARKER		YES		NO
MARKER STAMPED WI			YES	l			ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED WI			YES	ij	NO		ND*	MARKER STAMPED WITH WELL ID DATA	1. 1	YES		NO
WELL LABELED WITH			YES		NO	Y	ND*	WELL LABELED WITH WELL ID		YES	\square	NO
WELL LABELED WITH '	WELL NAME	[]	YES	!	NO	Y	ND*	WELL LABELED WITH WELL NAME	** 1	YES	,	NO
PROTECTIVE POSTS	······································	[YES		NO		ND*	PROTECTIVE POSTS		YES		NO
REMOVABLE POST IN	PLACE		YES		NO	Y	ND*	REMOVABLE POST IN PLACE	-	YES	_	NO
WELL LOCK			YES		NO	~	ND*	WELL LOCK		YEŞ		NO
WELL DAMAGED		r=-	YES		NO	~	ND*	WELL DAMAGED		YES	_:	NO
WELL IS DRY			YES	ļ	NO	~	ND*	WELL IS DRY		YES	\exists	NO
PARTED CASING			YES		NO	V	ND*	PARTED CASING		YES		NO
BENTONITE IN WELL			YES	Γ	NO	V	ND*	BENTONITE IN WELL		YES		NO
WELL SANDED IN			YE\$	1.7	NO	~	ND*	WELL SANDED IN		YES	[]	
COLLAPSED CASING			YES	<u>.</u>			ND*	COLLAPSED CASING		YES		NO
رUIPMENT IN WELL			YES	[NO		ND*	EQUIPMENT IN WELL		YES		NO
DEBRIS IN WELL			YES		NO		ND*	DEBRIS IN WELL		YEŞ		NO
SURFACE EROSION			MAJOR					SURFACE EROSION		MAJOR		
			MINOR						Γ.	MINOR	!	NOINE .
	LAST PUMP I	IFORM.	ATION					CURRENT PUMP INFORM	IATI		THE STATE SHOW	
PUMP ACTIVITY PERFO	DRMED		INSTAL	LED)			PUMP ACTIVITY PERFORMED		INSTAL	LED	
			REPLAC	CED		Y	ND*		!	REPLAC	:ED	
DIMD TECTED			REMOV	ΈD				DUMP TECTED	E	REMOV	ED	
PUMP TESTED		<u>.</u>	YES	١.	NO	<u> </u>	ND*	PUMP TESTED	<u> </u>	YES		NO
NEW PUMP			YES	Ĺ.	NO	V	ND*	NEW PUMP		YES		NO
ACTIVITY PEFORMED I	BY ∴	ND*						ACTIVITY PEFORMED BY				
DATE ACTIVITY PERFO	RMED	-						DATE ACTIVITY PERFORMED				
PUMP TYPE		ND*						PUMP TYPE				
PUMP MAKE		ND*						PUMP MAKE				
PUMP MODEL		ND*						PUMP MODEL				
PUMP INTAKE DEPTH ((ft)	-						PUMP INTAKE DEPTH (ft)				
TUBING SIZE (in)								TUBING SIZE (in)				* ;
TUBING MATERIAL		ND*						TUBING MATERIAL	٠			
TUBING LENGTH (ft)								TUBING LENGTH (ft)				
3ING CONNECTION		ND*						TUBING CONNECTION				
								· · · · · · · · · · · · · · · · · · ·	100.00			:

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2518 116-B-5D		CONST DATE		LAST INSPECTION 1/1/1801 NORTHING 144754 EASTING 565288 ELEVATION					
		T INFORMATION	· · · · · · · · · · · · · · · · · · ·		T 7_ 1	<u> </u>				
		LAST	CURRENT		— ↓D c					
A DEPTH TO WATER(:		<u> </u>					
DEPTH TO WATER I										
BIDEPTH TO BOTTOM	l(ft)									
DEPTH TO BOTTOM	I DATE		:			A				
C STICK UP(ft)										
D REFERENCE MARK(
REFERENCE MARK	IS TOC YES	NO V NE	o* YES NO			В				
		N INFORMATIO								
CASING SIZE TO	ор воттом	CUTS/FT/ROUN	D	1	Depth to Water					
_										
CHANGES				_ _ _D	epth to Bottom of Y	Well				
					Dep	th to Bottom of Casing				
	CACING	NEODMATION		B DEPTH TO C TOP OF CA	WATER FROM TOP OF BOTTOM OF WELL FR SING TO GROUND SU	OM TOP OF CASING RFACE/PAD				
	CASING	NFORMATION			ASING TO SURVEY REF					
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONNECTI	ON THICKNES	iS				
CHANGES										
	SCREEN	INFORMATION								
SIZE TOP	воттом	MATERIAL		TYPE	SLOT SIZ	E				
CHANGES	· · · · · · · · · · · · · · · · · · ·	- <u>-</u>	· · · · · · · · · · · · · · · · · · ·	. <u>-</u> <u></u>						

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_[DATE	COMMENTS	SOURCE	DATE_OF	SOURCE
B2518	116-B-5D	06/27/1995	-	DECOMMISSIONED			

B2518

File Original and First Copy with Department of Ecology

WATER WELL REPORT

Sin Card No. A 32071
UNIQUE WELL LD. & Note attachme

(1) OWNER: Nome Dest. of Energy Act	- Richland, Wash						
(2) LOCATION OF WELL: COMY BENTON (22) STREET ADDRESS OF WELL (OF INSPIRE ADDRESS) 100 B Qu	NE IN SE IN = 11 T 13 N. A 25 EWM						
(3) PROPOSED USE: Domestic Industrial Municipal C	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION						
DeWater Teat Well Of Other	Formation: Describe by color, pharacter, size of meterial and structure, and show thickness of squifers and the structure of the masterial in each structure penaltraied, with at least one empy for each change of information.						
4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO						
Abandoned New well Method: Dug Boled Deepenad Cable Driven Reconditioned Rotary Jesed	The attached theret presides						
5) DIMENSIONS: Diameter of well inches.	and immediately a produced						
Drilled feet. Depth of completed well ft.	1168-5 Cip all below						
(6) CONSTRUCTION DETAILS:	west 43/4 diameter and						
Casing Installed: Diam. from ft. to ft.	cumbles of the Cannie						
	was servered. Unique!						
Perforsitions: Yes No Type of perforator used	well to runverson						
SiZE of perforationsin, byin,	week and new stored.						
perforations fromft. toft.							
perforations from							
Screens: Yes A No D							
Manufacturer's Name							
Type Model No R. to R. to R.							
Diam. Slot size							
Gravel packed: Yes No Size of gravel							
Surface scal; Yes No To what depth?							
(7) PUMP: Manufacturer's Name							
(8) WATER LEVELS: Land-surface steration	Work Started 6/27/95, 18, Completed 6/28 1975						
Startic level	WELL CONSTRUCTOR CERTIFICATION:						
Anseign water is controded by Cas. vehic, (Cas. vehic, (C	I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards, literates used and						
(9) WELL TESTS: Drawdown is amount water level is toward below static level Was a pump sest made? Yes No No types. by whom?	the information reported above are true to my best knowledge and beight. NAME WOTER DEVELOPMENT HONTON						
Yeld; gel./min. with 11. drawdown efter hrs.	Mars P.O. Box 4194. West Richland						
Paccevery data (time taken as zero when pump turned oil) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level	(Signed) 1273 Contractor's Registration 1-546-086 Date Sept. ZO 1994 (USE ADDITIONAL SHEETS IF NECESSARY)						
Date of test Baker test	Ecology is an Equal Opportunity and Affirmative Action employer. For ape- cial accommodation needs, contact the Water Resources Program at (206) 407-8600. The TDD number is (206) 407-8008.						

TELD ORDER NO ELL ID WELL NAME HOST WELL ID	B2519 116-B-5E		-	LAST INSPECTION NORTHING CONST DATE EASTING CONST DEPTH ELEVATION]	1/1/1801 144754 565291						
L	AST INSPECTION	N INFO	RMATIC	ON				CURRENT INSPECTION IN	FORM	ATION			
WELL PAD			YES	f	NO	~	ND*	WELL PAD	_	YES	1.	NO	
BRASS SURVEY MARK	ER		YES		NO		ND*	BRASS SURVEY MARKER		YES		NO	
MARKER STAMPED WITH SURVEY DATA			YES		NO	/	ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO	
MARKER STAMPED WITH WELL ID DATA		!	YES		NO	~	ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO .	
WELL LABELED WITH WELL ID			YES	-	NO	~	ND*	WELL LABELED WITH WELL ID		YES		NO	
WELL LABELED WITH WELL NAME			YES		NO	V	ND*	WELL LABELED WITH WELL NAME		YES	<u> </u>	NO	
PROTECTIVE POSTS			YES	; 1	NO	Ž	ND*	PROTECTIVE POSTS	- ' "]	YES		NO	
REMOVABLE POST IN	PLACE		YES		NO	V	ND*	REMOVABLE POST IN PLACE		YES		NO	
WELL LOCK			YES	l	NO		ND*	WELL LOCK	Ľ.	YES		NO	
WELL DAMAGED			YES	Ē	NO	~	ND*	WELL DAMAGED		YES		NO	
WELL IS DRY			YES		NO	~	ND*	WELL IS DRY		YES		NO	
PARTED CASING		(1)	YES		NO		ND*	PARTED CASING		YES	17.	NO	
BENTONITE IN WELL		1 22	YES	1	NO	~	ND*	BENTONITE IN WELL		YES		NO	
WELL SANDED IN			YES		NO	~	ND*	WELL SANDED IN		YES		NO	
COLLAPSED CASING			YES		NO	V	ND*	COLLAPSED CASING		YES		NO	
UIPMENT IN WELL			YES		NO	~	ND*	EQUIPMENT IN WELL	-:	YES		NO	
DEBRIS IN WELL			YES		· NO	~	ND*	DEBRIS IN WELL		YES		NO	
SURFACE EROSION			MAJOR	₹	NONE			SURFACE EROSION		MAJOR	[]	NONE	
		☐ MINOR ₩		(<u> </u>	ND*					MINOR			
	LAST PUMP IN	NFORM						CURRENT PUMP INFOR					
PUMP ACTIVITY PERFORMED			INSTA					PUMP ACTIVITY PERFORMED		INSTAL			
		REPLAC					ND*			REPLAC			
PUMP TESTED			REMO			 r 2		PUMP TESTED	i	REMOV			
INEW PUMP		+ =	YES		NO			NEW PUMP		YES			
ACTIVITY PEFORMED	RV	ND*	YES		NO	⊻.	ND*	ACTIVITY PEFORMED BY		YES		ИО	
DATE ACTIVITY PERF		110						DATE ACTIVITY PERFORMED					
PUMP TYPÉ	ORMED	ND*						PUMP TYPE					
PUMP MAKE ND*						PUMP MAKE							
PUMP MODEL		ND*						PUMP MODEL					
PUMP INTAKE DEPTH	(作)							PUMP INTAKE DEPTH (ft)					
TUBING SIZE (in)	···		·					TUBING SIZE (in)					
TUBING MATERIAL		: ND*						TUBING MATERIAL			· · · · · · · · · · · · · · · · · · ·		
TUBING LENGTH (ft)								TUBING LENGTH (ft)					
3ING CONNECTION	V	ND*						TUBING CONNECTION					

A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES CHANGES	FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2519 116-B-5E		CONST DATE CONST DEPTH	LAST INSI NORTHIN EASTING ELEVATIO	G 144754 565291
A DEPTH TO WATER (ATE) DEPTH TO WATER CATE B DEPTH TO BOTTOM (ATE) DEPTH TO BOTTOM DATE C STICK UP(h) D REFERENCE MARK IS TOC YES NO NO NON YES NO PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND CASING SIZE TOP BOTTOM CUTS/FT/ROUND CASING SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES		MEASUREMEN	IT INFORMATION	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
A DEPTH TO WATER (D.) DEPTH TO WATER DATE B DEPTH TO BOTTOM (R.) DEPTH TO BOTTOM DATE C STICK UP(R.) DEPTH TO BOTTOM DATE C STICK UP(R.) DEPTH TO BOTTOM DATE C STICK UP(R.) DEPTH TO BOTTOM DATE CASING SIZE TOP BOTTOM CUTS/FT/ROUND A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO SURFACE/PAD D TOP OF CA				CURRENT		С
B DEPTH TO BOTTOM DATE C STICK UP(ft) D REFERENCE MARK (ft) REFERENCE MARK IS TOC YES NO ND* YES NO PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND CHANGES CASING INFORMATION CASING INFORMATION SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES	A DEPTH TO WATER(f	t)				<u> </u>
DEPTH TO BOTTOM DATE C STICK UP(ft) D REFERENCE MARK IS TOC YES NO NO NO YES NO PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND CASING SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES CHANGES CHANGES CHANGES CHANGES CHANGES CHANGES	DEPTH TO WATER D	DATE				
C STICK UP(ft) ID REFERENCE MARK IS TOC YES NO	B DEPTH TO BOTTOM	(ft)				
C STICK UP(ft) ID REFERENCE MARK (IS TOC YES NO NO NO NO NO YES NO PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND CHANGES CASING INFORMATION CASING INFORMATION CASING INFORMATION CASING INFORMATION CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKES CHANGES	DEPTH TO BOTTOM	DATE		<u></u>		a
PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND Depth to Bottom of Well Top of Casing to Ground Surreace/Pag Depth to Bottom of Well CASING INFORMATION A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO GROUND SURFACE/PAG D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES CHANGES CHANGES CHANGES	C STICK UP(ft)					
PERFORATION INFORMATION CASING SIZE TOP BOTTOM CUTS/FT/ROUND Depth to Bottom of Well Depth to Bottom	D REFERENCE MARK(f	t)				
CHANGES CHANGES CHANGES CASING SIZE TOP BOTTOM CUTS/FT/ROUND Depth to Bottom of Well CASING INFORMATION CASING INFORMATION SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES CHANGES CHANGES CHANGES CHANGES CHANGES	REFERENCE MARK I	S TOC YES	NO V ND	* YES NO		В
CHANGES Depth to Bottom of Well CASING INFORMATION CASING INFORMATION D TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES		PERFORATIO	N INFORMATION	<u> </u>		
Depth to Bottom of Well Depth to Bottom of Well Depth to Bottom of Well A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES CHANGES		P BOTTOM	CUTS/FT/ROUNE		▼ Depth to Wa	ater
Depth to Bottom o A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING CASING INFORMATION CASING INFORMATION D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES CHANGES	CHANGES				Depth to Botto	m of Well
CASING INFORMATION CASING TO POF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES						_ Depth to Bottom of Casin
CASING INFORMATION C TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES CHANGES						
CHANGES SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES		CASING I	NFORMATION	С	TOP OF CASING TO GROU	IND SURFACE/PAD
SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES	SIZE TOP	воттом	MATERIAL	TYPE C	CONNECTION THIC	CKNESS
SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES	CHANGES					
SCREEN INFORMATION SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES						
SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE CHANGES						•
CHANGES		SCREEN I	NFORMATION			
CHANGES	SIZE TOP	воттом				

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2519	116-B-5E	06/28/1995	DECOMMISSIONED		

B2519

File Original and First Copy with Der arment of Emology Second Copy — Owner's Copy

WATER WELL REPORT

STATE CATO No. 18 32071
UNIQUE WELL LD. 6 1010 OTOCHAN

Third Copy — Oriller's Copy	Winter Right Permit No.
OWNER: Nome Dept. of Energy A	Richland, Wash
(2) LOCATION OF WELL: COM Benton	NE 14 SE 14 SE 11 t 13 M. A 25 EWM.
(2a) STREET ADDRESS OF WELL (or records address) 100 B a	rea, Hanford Site (116B-5 Crib)
(3) PROPOSED USE: Domestic Industrial Municipal D	(10) WELL LOG OF ABANDONMENT PROCEDURE DESCRIPTION
DeWater Test Well Opport	Formation; Describe by color, obgraction, size of meterial and structure, and show thickness of aguitary and the Mind and nature of the meterial in each stretum penetrated, with at least one entry for each
(4) TYPE OF WORK: Owner's number of well (If more than one)	change of Information. MATERIAL FROM TO
Abandoned New well Method: Dug Bored Despensed Cable Driven	The attached theet vicility
Reconditioned Rosery C Jeffed C	information on hele installed
(3) DIMENSIONS: Diarnolar of wasinches.	and immediately abandoned
Drilledfeet. Dapth of completed well ft.	at the 100 PC Gips,
(6) CONSTRUCTION DETAILS:	were 4314 diameter and
Casing installed: Dlam. from R. to R.	
Weigled Diam. from ft. to ft. Threighted Diam. from ft. to ft.	LEANER AND A OF THE CONTRACT
	was spowered. Unique!
Perforations: Yes No Type of perforator used	well to runtiew nut
SiZE of perforationsin. byin.	1 1
perforations fromft. toft.	
certorations fromft. toft. to	i
Screens: Yes No Manufecturer's Name	
Type Model No	
DiamSlot eizefromft toft.	
Diam, Slot site from R. to A.	
Gravel placed from	
Surface seel: Yes No To what depth?	
Material used in seal Did any strate contain unusable wall Yes No	
Type of water? Depth of strate	
Meetod of sealing strate of	
(7) PUMP: Hanufacautar's Name	
Type:	
(8) WATER LEVELS: Land-surfaces servation \ shows make year level	Work Stand 6/27/95 19. Condined 6/28 19 75
Static level ft. policy sup of well Date	WELL CONSTRUCTOR CERTIFICATION:
Artesian preseurs	I constructed and/or accept responsibility for construction of this well, and its
(C.S., valo, 42.)	compliance with all Washington well construction standards. Materials used and the information reported above are true to my bast knowledge and belief.
(9) WELL TESTS: Drawdown is amount water level is between below static level Was a pump test made? Yes	NAME Water Development Hantord
y y n	P.O. Box 4194, West Richland
H	2273
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level	Corrector's
	101-546-086 on Sept. 20 1094
	(USE ADDITIONAL SHEETS IF NECESSARY)
Date of test R. drawdown after hrs.	
insectgai./min. with stem but at R. for free.	Contract is no Entral Operations, and Affermation Antique appalation Countries
Ansalan flow g.p.m. Date No \ Temperature of water West is chemical analysis made? Yest \ No \	407-6600. The TDD number is (206) 407-6006. See the see the see that the see the second seed of the se
	 1 * (1) * (2) * (2) * (3) * (3) * (3) * (4) *

WELL NAME 116-B-5F HOST WELL ID						ST DATE ST DEPTH	LAST INSPECTION NORTHING EASTING ELEVATION	1/1/180: 144754 565293	1	
!	LAST INSPECTIO	N INF	ORMAT.	EON			CURRENT INSPECTION INFO	RMATION		
WELL PAD	- · · · · · · · · · · · · · · · · ·		YES	_ [.]	NO	✓ ND*	WELL PAD	YES	[_	NO
BRASS SURVEY MARK	(ER 	i [YES		NO	✓ ND*	BRASS SURVEY MARKER	YES		NO
MARKER STAMPED W	ITH SURVEY DATA	-	YES		NO	✓ ND*	MARKER STAMPED WITH SURVEY DATA	YES		NO
MARKER STAMPED W	TH WELL ID DATA	· · · ·	YES	i	NO	ı ⊻ ND*	MARKER STAMPED WITH WELL ID DATA	 YES	[NO
WELL LABELED WITH			YES		NO	✓ ND*	WELL LABELED WITH WELL ID	YES		NO
WELL LABELED WITH	WELL NAME	[YES	<u> </u>	NO	✓ ND*	WELL LABELED WITH WELL NAME	YE\$		NO
PROTECTIVE POSTS			YES	 j	NO	✓ ND*	PROTECTIVE POSTS	YES		
REMOVABLE POST IN	PLACE		YES		NO	✓ ND*	REMOVABLE POST IN PLACE	YES		l NO
WELL LOCK			YES		NO	✓ ND*	WELL LOCK	YES		NO
WELL DAMAGED		E	YES		NO	✓ ND*	WELL DAMAGED	YES	:	
WELL IS DRY		ĪĒ	YES		NO	✓ ND*	WELL IS DRY	YES		
PARTED CASING			YES	[]	NO	✓ ND*	PARTED CASING	YES		
BENTONITE IN WELL		=	YES		NO	✓ ND*	BENTONITE IN WELL	YES		
WELL SANDED IN			YES		NO	✓ ND*	WELL SANDED IN	YES		NO
TOLLAPSED CASING					NO	₩ ND*	COLLAPSED CASING	YES		
_ZUIPMENT IN WELL			YES		NO	✓ ND*	EQUIPMENT IN WELL	YES		
DEBRIS IN WELL		-	YES		NO	✓ ND*	DEBRIS IN WELL	YES	:	
SURFACE EROSION			OLAM	R []			SURFACE EROSION	MAJOR		NONE
		: [MINO			_		_ MINOR		NONE
	LAST PUMP IN	IFORM	ATION				CURRENT PUMP INFORMA	ATION		
PUMP ACTIVITY PERF	FORMED	į E	INST	INSTALLED			PUMP ACTIVITY PERFORMED	INSTAL	LED	,
			REPL			▼ ND*	•	REPLAC	CED	
PUMP TESTED			REMO				PUMP TESTED	REMOV	/ED	
NEW PUMP		!	YES			✓ ND*		YES		NO
ACTIVITY PEFORMED	DV.	ND*	YES	لـــا	NO	✓ ND*	NEW PUMP	YES		NO
		ind.					ACTIVITY PEFORMED BY			
DATE ACTIVITY PERF	ORMED	NID#					DATE ACTIVITY PERFORMED			
PUMP TYPE		ND*					PUMP TYPE			
PUMP MAKE		ND*		· · · · · · · · · · · · · · · · · · ·			PUMP MAKE			
PUMP MODEL		ND*					PUMP MODEL			
PUMP INTAKE DEPTH	(π) 						PUMP INTAKE DEPTH (ft)			
TUBING SIZE (in)		NE					TUBING SIZE (in)			
TUBING MATERIAL		ND*					TUBING MATERIAL			
TUBING LENGTH (ft)		 					TUBING LENGTH (ft)			
BING CONNECTION	N	ND*					TUBING CONNECTION			

FIELD ORDER NO					LAST INSPECTION		1/1801
WELL ID	B2520		NAME OF THE		NORTHING		4754
WELL NAME HOST WELL ID	116-B-5F		ONST DATE ONST DEPTH		EASTING ELEVATION	56	5293
HOSI WELLID			JRST DEFTI		ELLYAIZON		
	MEASUREMENT	NFORMATION				<u>→</u>	**
		LAST	CURRENT		$\frac{1}{\mathbf{D}}$ c		
A DEPTH TO WATER(ft)						:
DEPTH TO WATER I	DATE						
BIDEPTH TO BOTTOM	1 (ft)						
DEPTH TO BOTTOM	I DATE						
C:STICK UP(ft)						A	<u>.</u>
D REFERENCE MARK(ft)						
REFERENCE MARK		NO ✓ ND*	YES NO				В
· — · · · · · · · · · · · · · · · ·	1E3		1 1E3 NO				
	PERFORATION :	INFORMATION					
CASING SIZE TO	OP BOTTOM CU	TS/FT/ROUND			▼ Depth to Water		
						<u></u>	
CHANGES							Í
					Depth to Bottom of \		<u> </u>
							ttom of Casing
					TO WATER FROM TOP OF TO BOTTOM OF WELL FR		
	CACTAG TAIL			C TOP OF	CASING TO GROUND SU	IRFACE/P	AD
	CASING INF	DRMATION		D TOP OF	CASING TO SURVEY REI	FERENCE	MARKER
SIZE TOP	воттом	MATERIAL	TYPE	CONNEC	TION THICKNES	S	
				:			
					-		
CHANGES							
	···						
· · · · · · · · · · · · · · · · · · ·							
	SCREEN INF	ORMATION	-				
:							
SIZE TOP	воттом	MATERIAL	T	YPE	SLOT SIZ	E	
			. :			'	
CHANGES							
<u> </u>							

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE DATE_OF_SOURCE
B2520	116-B-5F	06/28/1995	DECOMMISSIONED	

B 2520

File Original and First Copy with Department of Esology Second Copy — Owner's Copy

WATER WELL REPORT

UNIQUE WELL LO. 4 1000 attachme

Third Copy — Driller's Copy STATE OF	WASHINGTON WASH Right Partie No
) OWNER: Name Dept. of Energy A	Richland, Wosh
(2) LOCATION OF WELL: CON Benton	NE 14 SE 14 SE 11 T. 13 N. R 25 E WM
	vea, Hanford Site (1168-5 Crib)
(3) PROPOSED USE: Domestic Industrial D Municipal D	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
DeWater Teat Well Deper 124	Formation: Describe by color, character, size of material and shouthers, and show flictiness of equitors and the kind and hence of the material in each stratum paractical, with at least one entry for each
(4) TYPE OF WORK: Owner's number of well (if more than one)	shange of information.
Abandoned New well 🖸 Method: Dug 🖂 Bored 🗇	MATERIAL FROM TO
Despurad D Cable D Driven D Priven D Pr	The attacked - heat price as
(3) DIMENSIONS: Diameter of well Inches	Can H day market to the total day of
Drilledfeet. Depth of completed well ft.	at the 100 PC 6,12.
(6) CONSTRUCTION DETAILS:	116 E-5 (1th, all holes
Casing installed: Dlam. from ft. to ft.	were 4sty diameter and
Weided Diam. from ft. to ft.	cuchibles on the Course
Three and Diam. from R. to R.	was servered. Unique
Perforations: Yes 🔲 No 🗍	well to rembers next
Type of perforations	used are new moted.
ft. toft.	
bertorations fromft. toft.	
perforations from ft. to ft.	
Screens: Yes No No	
Manufecturer's Name Type	
Diam. Slor size from ft. to ft.	
Diam, Stor size from ft. to ft.	
Gravel packed: Yes 🗆 \ No 🗋 Size of gravel	
Gravel placed from ft.	
Surface seal: Yes No \ No \ To what depth?tt.	
Material used in seal Did any strata contain unusable water Yes No	
Type of water? Depth of Strate	
Method of sealing strate off	
77. Pilisp. H. Janes V.	
(7) PUMP: Manufacturer's Name H.P. H.P.	
(8) WATER LEVELS: Land-sturison stayetion tabove magninger level	Work Started 6/27/95 18. Completed 6/28 5 1975
Surjic level it. below top of well. Date	WELL CONSTRUCTOR CERTIFICATION:
Artesian pressure	
(Co. vara. 3£)	i constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and
(9) WELL TESTS: Drawdown is amount water level is beyond below stadic level	the information reported above are true to my best knowledge and bollet.
Was a pump test made? Yes No II yee, by harn? Yield:	HAME WITH POST WALL COMMANDED THE CONTROL OF
n n	Norma P.O. Box 4194, West Richland
77 - 77	(Slaned) # 154/2 / (Ucerus No. 2273
Recovery data (time taken as zero when pump turned off) (water level measured from well too to water level)	(Segmen) Lonna No. 44/3
Time Water Level Time Water Level Time Water Level	Contractor's
	No. 601-546-086 on Sept. 20 1094
Parallel .	(USE ADDITIONAL SHEETS IF NECESSARY)
Baller but	
Armet	Ecology is an Equal Opportunity and Affirmative Action employer. For appearance of the March State of the Ma
Artenien flow	cial accommodation needs, contact the Water Resources Program at (206) 3-407-8600. The TDD number is (206) 407-8006.
	and the state of

TELD ORDER NO	B2521							LAST INSPE NORTHING	CTION		/1/1801 44762		
WELL NAME	116-B-5G		_		CONST	ΓDΑ	TE	EASTING		5	65293		
HOST WELL ID					CON5	ΓDE	PTH	ELEVATION					
	ST INSPECTION	INFOR	MATIO	N		–		CURRENT INSPECTIO	N INFO	RM	ATTON		
WELL PAD			YES		NO		ND*	WELL PAD			YES		NO
BRASS SURVEY MARKE	R	<u> </u>	YES				ND*	BRASS SURVEY MARKER			YES	_	NO
MARKER STAMPED WIT	TH SURVEY DATA	<u> </u>	YES		NO	· · ·	ND*	MARKER STAMPED WITH SURVEY DA			YES		NO
MARKER STAMPED WIT	TH WELL ID DATA	!	YES	·-	NO		ND*	MARKER STAMPED WITH WELL ID D	ATA		YES	Γ.	NO I
WELL LABELED WITH V	VELL ID	, ,,,,,,	YES		NO		ND*	WELL LABELED WITH WELL ID			YES		NO
WELL LABELED WITH V	VELL NAME	c	YES	1	NO		ND*	WELL LABELED WITH WELL NAME			YES		NO
PROTECTIVE POSTS			YES		NO		ND*	PROTECTIVE POSTS			YES	[_	NO -
REMOVABLE POST IN F	PLACE	·	YES		NO		ND*	REMOVABLE POST IN PLACE	j		YES		NO
WELL LOCK		1	YES		NO		ND*	WELL LOCK	· · · · · · · · · · · · · · · · · · ·		YES		NO
WELL DAMAGED			YES		NO		ND*	WELL DAMAGED			YES		NO
WELL IS DRY	· · · · · · · · · · · · · · · · · ·		YES		NO	~	ND*	WELL IS DRY			YES		NO
PARTED CASING			YES		NO		ND*	PARTED CASING			YES		NO
BENTONITE IN WELL			YES		NO	~	ND*	BENTONITE IN WELL		7	YE\$		NO
WELL SANDED IN		L.	YES		NO	~	ND*	WELL SANDED IN		- ; - :	YES		NO
TULLAPSED CASING			YES		NO	Y	ND*	COLLAPSED CASING	i		YES		NO
JUIPMENT IN WELL		; E.	YES	Γ	NO	~	ND*	EQUIPMENT IN WELL	-		YES		
DEBRIS IN WELL			YES		NO	Y	ND*	DEBRIS IN WELL		_!	YES		NO
SURFACE EROSION			MAJOR	Ξ.	NONE			SURFACE EROSION			MAJOR		NONE
			MINOR	Y	ND*		·	! 			MINOR		
	LAST PUMP IN	IFORM#	TION					CURRENT PUMP I	NFORM/	ATI	ON		
PUMP ACTIVITY PERFO	DRMED		INSTA	LLED	D ✓ ND*			PUMP ACTIVITY PERFORMED		=:	INSTA	LLED	
			REPLA				ND*				REPLA		
IDLIMO TECTED		<u>=</u>	REMO					PUMP TESTED			REMO	-	
PUMP TESTED		.l. <u>Li</u>	YES	-	NO					<u>L</u> .	YES		NO
NEW PUMP		INTENT	YES		NO	✓	ND*	NEW PUMP		<u></u>	YES	!	NO
ACTIVITY PEFORMED I		!ND*						ACTIVITY PEFORMED BY DATE ACTIVITY PERFORMED		_			
DATE ACTIVITY PERFO	KMED	ND*											
PUMP TYPE		ND*						PUMP TYPE					
PUMP MAKE		ND*						PUMP MAKE	···				
PUMP MODEL		ND*						PUMP MODEL					
PUMP INTAKE DEPTH	(IL) 							PUMP INTAKE DEPTH (ft)	i · · · -				
TUBING SIZE (in)		NIPSY						TUBING SIZE (in)					
TUBING MATERIAL		ND*						TUBING MATERIAL					
TUBING LENGTH (ft)		INID*						TUBING CONNECTION	· · · · · · · · · · · · · · · · · · ·				
BING CONNECTION	_	IND*						TUBING CONNECTION					

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2521 116-B-5G		ONST DATE ONST DEPTH		LAST IN NORTHI EASTING ELEVATI	NG G	14	1/1801 4762 5293
	MEASUREMEN	TINFORMATION						
		LAST	CURRENT	.	<u> </u>	c		
A:DEPTH TO WATER((ft)							
DEPTH TO WATER	DATE		· <u></u>					
B DEPTH TO BOTTON			i					
DEPTH TO BOTTON	M DATE							
C:STICK UP(ft)							A	
DIREFERENCE MARK	(ft)							
REFERENCE MARK	IS TOC YES	NO ₩ ND*	YES NO					В
	PERFORATION	INFORMATION						
CASING SIZE TO	ОР ВОТТОМ (CUTS/FT/ROUND			▼ Depth to V	Vater	<u>-</u>	
CHANGES				· !	Depth to Bott			-60-1
	CASING IN	FORMATION		B DEPT	TH TO WATER FROM TH TO BOTTOM OF OF CASING TO GRO OF CASING TO SUF	4 TOP OF WELL FRO DUND SUR	CASING OM TOP (RFACE/P	AD
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONN		ICKNESS		
CHANGES								
		FORMATION						
SIZE TOP	воттом		T'	YPE	SL	OT SIZE		
CHANGES								

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2521	116-B-5G	06/28/1995	DECOMMISSIONED		

B2521

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WATER WELL REPORT

STEP CON NO. 132071

UNIQUE WELL LD. 0 10to attacking

Third Copy — Driller's Copy	Water Right Permit No.
OWNER: Name Dept. of Energy	- Richland, Wash
(2) LOCATION OF WELL: CON Benton	NEWSEWS II 13 N. RZSEWM
(2a) STREET ADDRESS OF WELL (or hearing) eccloses) 100 B Q	rea, Hanford Site (1168-5 Crib)
(3) PROPOSED USE: Domestic Industrial D Municipal D Infigetion Test Well Deport	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION Formation: Describe by color, character, size of material and attucture, and show stickness of aquitors
(4) TYPE OF WORK: Owner's number of well	and the kind and hattre of the manufal in each stratum penainsted, with at least one entry for each change of information.
Abandoned New well	MATERIAL PROM TO
Despense Cable Driven G	The affaired theret presides
	infranction on hele installed
(5) DIMENSIONS: Diameter of wellinches. Drilled	
	- 116 8-5 Ceib all holes
(6) CONSTRUCTION DETAILS:	were 43/4 diameter and
Casing installed: Diam. from ft. to ft. Welded Diam. from ft. to ft.	LORGINIO WINE A MINUTE
Welded	cumbles at the causes
PerforaUgne: Yes No No	well ID rum will rest
Type of perforator used	weed are new moted.
SIZE of perforationsin.	
	E I I
perforations fromft, toft.	
Screenal Yes \(\) No \(\)	
Manufacturer's Name	
Type Made! No.	
Diam,	<u> </u>
Gravel packed: Yes 🔲 \ No 🔲 Size of pravel	
Gravel placed from 7t. to 1t.	
Surface seal: Yes No To what depth? the Material used in seal	
Did any strate contain unusable water 1 Yes No	
Type of water? Depth of strate	
Method of sealing strate off	
(7) PUMP: Manufacturer's Name	
Type:M.P.	1 197/9C 2/30 SE
(8) WATER LEVELS: Land-station above mean are level	Work Started 6/27/95 18. Congleted 6/28 19 75
Static level tr. below top of well Date Aramian presents bs. per square inch Date	WELL CONSTRUCTOR CERTIFICATION:
Artesian water is compaled by VCas, valve, alc.)	I constructed and/or accept responsibility for construction of this well, and its
(9) WELL TESTS: Drawdown is amount water level is lowered below stock level	compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and ballet.
Was a pump sest made? Yes No Hyes, by whom? Yest;	NAME Water Development Hortord
н п п	Normas P.O. Box 4194, West Richland
Recovery data (time taken as zero when pump turned pi) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level	(Signed) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Registration 1-546-086 cas Sept. 20 1094
Date of test	(USE ADOITIONAL SHEETS IF NECESSARY)
Baller text	Continue in the English Orange with a set of English and Section applications for the
Abulan flow g.p.m. Date	cial accommodation needs, contact the Water Resources Program at (208) 407-8600. The TDD number is (206) 407-8008.
Temperature of water West is chemical analysis made? Yes	407-2000. The TDD number is (206) 407-2006.

TELD ORDER NO								LAST INSPECTION	1	/1/1801		
ELL ID	B2522							NORTHING		44769		
WELL NAME	116-B-5H				CONS			EASTING	5	65293		
HOST WELL ID					CONS	T DE	EPTH	ELEVATION				
	AST INSPECTION	N INFO	RMATIC)N				CURRENT INSPECTION INFO	RM	ATION		
WELL PAD			YES		NO	V	ND*	WELL PAD		YES		NO
BRASS SURVEY MARK	ER		YES		NO		ND*	BRASS SURVEY MARKER		YES		NO
MARKER STAMPED W	ITH SURVEY DATA		YES		NO		ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED W	ITH WELL ID DATA		YES		NO		ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YES	Ī	NO		ND*	WELL LABELED WITH WELL ID		YES		NO
WELL LABELED WITH	WELL NAME	1	YES		NO		ND*	WELL LABELED WITH WELL NAME		YES		NO
PROTECTIVE POSTS			YES		NO		ND*	PROTECTIVE POSTS		YES		NO
REMOVABLE POST IN	PLACE	-•	YES		NO		ND*	REMOVABLE POST IN PLACE		YES		NO
WELL LOCK	· ·	·	YES		NO		ND*	WELL LOCK		YES	[1]	NO
WELL DAMAGED		1	YES				ND*	WELL DAMAGED		YES		11.00
WELL IS DRY		1	YES		NO		ND*	WELL IS DRY		YES		NO
PARTED CASING					NO		ND*	PARTED CASING	=	YES		NO
BENTONITE IN WELL	<u> </u>				NO		ND*	BENTONITE IN WELL		YES		NO
WELL SANDED IN		ii .	YES		NO		ND*	WELL SANDED IN		YES		NO
COLLAPSED CASING		<u>-</u>	YES		NO		ND*	COLLAPSED CASING		YES		NO
JUIPMENT IN WELL			YES		NO		ND*	EQUIPMENT IN WELL		YES	LI	NO
DEBRIS IN WELL			YES	_=	NO		ND*	DEBRIS IN WELL		YES		NO
SURFACE EROSION			MAJOR					SURFACE EROSION		MAJOR		NONE
			MINOF			_			i_{-1}	MINOR		
ļ	LAST PUMP I	NFORM	ATION					CURRENT PUMP INFORM	IATI	ON		
PUMP ACTIVITY PERF	ORMED	: L	INSTA	LLEC	:D			PUMP ACTIVITY PERFORMED	[INSTAL	LED	,
		: !	REPLA	CED	D S		✓ ND*			REPLAC	ŒD.	
			REMO	VED						REMOV	ED	
PUMP TESTED		[YES		NO	V	ND*	PUMP TESTED		YES		NO
NEW PUMP			YES		NO	✓	ND*	NEW PUMP		YES		NO
ACTIVITY PEFORMED	BY	ND*						ACTIVITY PEFORMED BY				
DATE ACTIVITY PERF	ORMED	-!						DATE ACTIVITY PERFORMED				
PUMP TYPE		'ND*						PUMP TYPE				
PUMP MAKE		ND*						PUMP MAKE				
PUMP MODEL		ND*						PUMP MODEL				
PUMP INTAKE DEPTH	I (ft)	-1						PUMP INTAKE DEPTH (ft)				
TUBING SIZE (in)								TUBING SIZE (in)				
TUBING MATERIAL		ND*						TUBING MATERIAL				
TUBING LENGTH (ft)		:						TUBING LENGTH (ft)				
JING CONNECTIO	N	ND*					******	TUBING CONNECTION				

FIELD ORDER NO				LAST INSPECTION	1/1/1801
WELL ID	B2522			NORTHING	144769
WELL NAME	116-B-5H		ONST DATE	EASTING	565293
HOST WELL ID		C	ONST DEPTH	ELEVATION	
	MEASUREME	T INFORMATION			
		LAST	CURRENT	$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$	Î
A DEPTH TO WATER					
DEPTH TO WATER	R DATE		: <u> </u>		
В!DEPTH ТО ВОТТО	pM(ft)				
DEPTH TO BOTTO	M DATE				
C STICK UP(ft)				A	
D REFERENCE MARK	(ft)				
REFERENCE MARK	CISTOC VES	NO ♥ ND*	YES NO		В
	PERFORATIO	N INFORMATION			
CASING SIZE	ГОР ВОТТОМ	CUTS/FT/ROUND		▼ Depth to Water	
CHANGES					
				Depth to Bottom of Well	
				Depth t	o Bottom of Casin
				DEPTH TO WATER FROM TOP OF CAS DEPTH TO BOTTOM OF WELL FROM	
				TOP OF CASING TO GROUND SURFA	
	CASING I	NFORMATION	D	TOP OF CASING TO SURVEY REFERE	NCE MARKER
SIZE TOP	воттом	MATERIAL	TYPE C	CONNECTION THICKNESS	
CHANGES					
	SCREEN 1	INFORMATION			
			7/7-		
SIZE TOP	BOTTOM	MATERIAL	ТҮРЕ	SLOT SIZE	• •
			·		• 4
CHANGES					
		· · · · · · · · · · · · · · · · · · ·			

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2522	116-B-5H	06/28/1995	DECOMMISSIONED		

32522

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WATER WELL REPORT

UNIQUE WELL LO. 6 Note attachme

N. 1.A.

OWNER: Name Deat. of Energy	Ads	Rickland, Wash		
LOCATION OF WELL: COM Benton		NE 14 SE 14 SE 11 1	13 MAZ	25 E w.
STREET ADDRESS OF WELL (or married address) 100	Ba		Crib	<u> </u>
PROPOSED USE: Domenic Industrial Municipal		(10) WELL LOG or ASANDONMENT PROCEDURE D	ESCRIPTI	OH
DeWater Test Well C Opper	62/1	Formation: Describe by color, obstacler, sign of material and structure, and and the land and return of the material in each structure penetrated, with change of information.	show thouse on least one s	as of aquilled may for each
TYPE OF WORK: Owner's number of well (if more than one)		MATERIAL	FROM	70
Abandoned Marwwell (2) Method; Dug (2) Bore Deepened (2) Cable (2) Drive		The affacied - hert precide		
Reconditioned () Rossly () Jette	4 []	infranction on hele contal	rick	}
DIMENSIONS: Dierreser of west		and more diateder a trader	(iii	
Drilledfeet. Depth of completed well	<u>^</u>	11/2 F-5 (16 (III halles	 	
CONSTRUCTION DETAILS:		were 43/4 diameter and		
Casing installed:trontr. totr. totr.		backfilled with Lyntonia	٤	
Welded Diam, from R. to		cultibles a the carino		
	 '''	was spowered. Unique	 	
Perforsitions: Yes No		well to run live must		}
Type of perforations In. by		week are are should	 	
perforations fromtt. to	R.		 	-
perforations fromtr. to	ft		 	
perforations from the to	h			
Spreetist Yes []. No []				
Manufecturer's Name				
Type Model No. Diam. Stot size from the			 	
iam, Slot size hom it, to			 -	
Gravel packed: Yes 🔲 \ No 🔘 Size of gravel			 	
Gravel placed from R. to				
Surface seal: Yes Alo : To what depth?				
Material used in seal			A	
Did any strate contain unusable water 1 Yes No				
Type of water? Depth of stress				_
Method of sealing strate off				-7-
PUMP: Manufacturer's Reme H.P.				
WATER LEVELS: Land-surface elevation		Work Started 6/27/45 19. completed 6/2	8	_ 10 Z
Static level to below mean sea level to below say of self. Date	*			
Armitin pressure Be, per square iron Osse		WELL CONSTRUCTOR CERTIFICATION:		
Artesian weter is convolled by (Cas. valve, dC.)		I constructed and/or accept responsibility for construction compliance with all Washington well construction standard	s, Materials	used and
WELL TESTS: Drawdown is amount water level is longered below stock in	ad.	the information reported above are true to my best knowled	So and police	· /
Was a pump seet made? Yes No It you, by whom?		NAME WOTER DEVELOPMENT TH	<u>USA</u>	<u>d_</u>
Yield:	hrat.	DO Day GIOU INTE	Rich	(/in
Recovery data (time taken as zero when pump turned bit) (water level, measured	from well	(Signed) Work Distriction	ae No 2	<u> </u>
100 to water level) (irps Water Level Tires Water Level Tires Wat	ر اجماء	Contractor's		_
		Registration 1-546-086 Date Seat.	20	01
				ر ۱۷ کستا
Pages of teet		(USE ADDITIONAL SHEETS IF NECESS	ARY)	• •
Refer test gal/min. with R. drawdown wher	/ MA	Ecology is an Equal Opportunity and Affirmative Action		En
R	+-100	cial accommodation needs, contact the Water Resource		
Temperature of water West a chemical analysis made? Yes No.	<u> </u>	407-6600. The TDD number is (206) 407-6008;		
$\Phi_{i}(x) = \Phi_{i}(x) + \frac{1}{2} e^{ix}$	- . :			
50-1-20 m40) * 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		·		

"BLD ORDER NO									LAST INSPECTION			N 1/1/1801			
ë L L ID	B2523									NORTHING		.44754			
WELL NAME	116-B-5I					CONS				EASTING	5	65289			
HOST WELL ID			-			CONS	T DI	ЕРТН		ELEVATION	-				
L	AST INSPECTION	N INF	OR	MATIC	N				CURREN	T INSPECTION INFO)RM	IATION			
WELL PAD			-	YES	-	NO	V	ND*	WELL PAD		::::	YES		NO	
BRASS SURVEY MARK	ER			YES		NO		ND*	BRASS SURVEY MARKI	ER .		YES			
MARKER STAMPED WI	TH SURVEY DATA			YES		NO		ND*	MARKER STAMPED WI	TH SURVEY DATA		YES			
MARKER STAMPED W	TH WELL ID DATA			YES		NO		ND*	MARKER STAMPED WI	TH WELL ID DATA		YES		NO	
WELL LABELED WITH	WELL ID	- -	- '	YES		NO		ND*	WELL LABELED WITH	WELL ID		YES	7	NO	
WELL LABELED WITH	WELL NAME	<u></u> i		YES		NO		ND*	WELL LABELED WITH	WELL NAME		YES			
PROTECTIVE POSTS				YES		NO		ND*	PROTECTIVE POSTS		· · · · · · · · · · · · · · · · · · ·	YES		NO	
REMOVABLE POST IN	PLACE			YES		NO		ND*	REMOVABLE POST IN	PLACE		YES		NO	
WELL LOCK				YES	·····	NO		ND*	WELL LOCK		_ <u></u>	YES		NO	
WELL DAMAGED				YES		NO		ND*	WELL DAMAGED			YES	- <u> </u>	NO	
WELL IS DRY				YES	=	NO		ND*	WELL IS DRY		<u></u>]	YES	 []		
PARTED CASING			_	YES	i	NO		ND*	PARTED CASING	<u> </u>	- :	YES		NO	
BENTONITE IN WELL				YES	=	NO		ND*	BENTONITE IN WELL			YES		NO	
WELL SANDED IN		-		YES		NO		ND*	WELL SANDED IN			YES		NO	
LAPSED CASING		:		YES		. NO		ND*	COLLAPSED CASING			YES		NO	
UIPMENT IN WELL			7	YES		NO		ND*	EQUIPMENT IN WELL			YES		NO	
DEBRIS IN WELL			.:-' 	YES	 L.	NO		ND*	DEBRIS IN WELL		 	YES			
SURFACE EROSION				MAJOR					SURFACE EROSION	:	=	MAJOR	53	NONE	
		-		MINOF			-					MINOR			
	LAST PUMP I	NFOR	MA	TION					CURI	RENT PUMP INFORM	1AT.	ION			
PUMP ACTIVITY PERF	ORMED			INSTA	LLE)			PUMP ACTIVITY PERF	ORMED .		INSTAL	LED		
				REPLA	LACED		✓	ND*				REPLAC	:ED		
		.		REMO	VED							REMOV	ED .		
PUMP TESTED				YES		NO	Ý	ND*	'PUMP TESTED		1	YES		NO	
NEW PUMP			j	YES		NO	~	ND*	NEW PUMP			YES		NO	
ACTIVITY PEFORMED	ВҮ	ND*	:						ACTIVITY PEFORMED	BY					
DATE ACTIVITY PERF	ORMED								DATE ACTIVITY PERF	ORMED					
PUMP TYPE		ND*	:						PUMP TYPE						
PUMP MAKE		ND*	:						PUMP MAKE	!					
PUMP MODEL		ND*	:						PUMP MODEL						
PUMP INTAKE DEPTH	(ft)								PUMP INTAKE DEPTH	(ft)					
TUBING SIZE (in)	<u></u>								TUBING SIZE (in)						
TUBING MATERIAL		ND*							TUBING MATERIAL						
TUBING LENGTH (ft)									TUBING LENGTH (ft)						
JING CONNECTION	V	ND*							TUBING CONNECTION	N					

FIELD ORDER NO WELL ID	B2523			LAST INSPECTION NORTHING	1/1/1801 144754
WELL NAME HOST WELL ID	116-B-5I		ONST DATE	EASTING ELEVATION	565289
:	MEASUREMEN	T INFORMATION			
		LAST	CURRENT		
A DEPTH TO WATER(f	t)				
DEPTH TO WATER D	DATE			111	
BIDEPTH TO BOTTOM	(ft)				
DEPTH TO BOTTOM	DATE				
C STICK UP(ft)	******				•
D REFERENCE MARK(f	t)				i
REFERENCE MARK I	C TOC .	NO ₩ ND*	YES NO		В
	PERFORATIO	N INFORMATION			
CASING SIZE TO	р воттом	CUTS/FT/ROUND		▼ Depth to Water	
CHANGES					
				Depth to Bottom of Wel	NP .
				DEPTH TO WATER FROM TOP OF CA	to Bottom of Casing
			· · · · · · · · · · · · · · · · · · ·	DEPTH TO WATER FROM TOP OF CA	
	CASING I	NFORMATION		TOP OF CASING TO GROUND SURFA TOP OF CASING TO SURVEY REFER	
SIZE TOP	воттом	MATERIAL	TYPE CO	NNECTION THICKNESS	
CHANGES					
CHAITGES					
	SCREEN I	NFORMATION			
SIZE TOP	воттом	MATERIAL	TYPE	SLOT SIZE	
	!				
CHANGES					

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2523	116-B-5l	06/28/1995	DECOMMISSIONED		

B2523

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WATER WELL REPORT

Start Card No. A 32071
UNIQUE WELL LO. a Note a Caching

econd Copy — Owner's Copy hird Copy — Orillar's Copy STATE OF	WASHINGTON Water Right Partiel No. N/A
OWNER: None Dept. of Energy A	Richland, Wash
2) LOCATION OF WELL: COM Benton	NE 14 SE 14 SE 1 1 13 N. R 25 EW
	rea, Hanford Site (1168-5 Crib)
PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG OF ABANDONMENT PROCEDURE DESCRIPTION
DeWater Test Well Oper 18	Formation: Describe by color, character, size of material and structure, and show thickness of equite and the little and nature of the material in each structure persented, with at least one entry for each structure persented, with at least one entry for each
TYPE OF WORK: Owner's number of well (if more than one)	change of information. MATERIAL FROM TO
Abandoned New well D Hethod: Dug D Bored D Despend D Cable D Driven D	The affacted theet precides
* Reconditioned D Rotary D Jeffed D	infrantion on heles installed
5) DIMENSIONS: Diameter of westinches. Drilledtest. Depth of completed wellft.	
	- 116 B-5 (rip all holes
Casing installed: Diam. from ft. to ft.	were 4314 diameter and
Welded D Plam, from R. to R.	Electrified with buttonite
Threaded D fl. to fl.	was sparried Unique
Perforetions: Yes No No	well to remberolant
Type of perforator used	weed are need moted.
SIZE of perforationsin.	· 1
perforations from	` ∤ 1
perforations fromft. toft.	
Screens: Yes No No	
Menufacturer's Name	
Type Model No	
Diam. Slot eize from ft. to ft.	
iam. Sioraite from h. to ft.	
Gravel packed: Yes 🗌 \ No 🔲 Size of gravel	
Gravel placed from R. to R.	
Surface seal: Yes No To what depth? ft. Material used in seal	
Old any strata contain unusable water! Yes No No	
Type of water? Depth of strate	Remark M.
Method of sealing strate off	
PUMP: Manufacturer's Name	
Турю:	1/29/05 //30 9
) WATER LEVELS: Land-surface attraction R. belong top of well Date:	Work Started 6/2//73 19. Correlated 6/28 197.
Ansales pressure	WELL CONSTRUCTOR CERTIFICATION:
Afterian water is composed by (Cap. valve, etc.)	constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and
) WELL TESTS: Drawdown is amount water level is longered below static level	the information reported above are true to my best knowledge and belief.
Was a pump test made? Yes No Hyes, by Hom?	NAME Water DOVELDMENT HONTARA
Yield;gal./min, withtt_ drawdown after hrs.	PROMOR PAR DISCOURTED (THE DR PART)
N N N	Address P.O. Box 4194, West Richland
P	(Signed) 2 1547 (1777) License No. 2273
Pacovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level	Mar Draught
Time Water Level Time Water Level Time Water Level	Contractor's Registration
	No. 201-546-086 om Jept. 20 1996
Date of leaf	(USE ADDITIONAL SHEETS IF NECESSARY)
Refer test	
etR. for	Ecology is an Equal Opportunity and Affirmative Action employer. For ape- cial accommodistion needs, contact the Water Resources Program et (208)
Temperature of water	407-8600. The TDD number is (206) 407-8008
The state of the s	

LD ORDER NO							LAST INSPECTION	1/1/1801	
wELL ID	A9879						NORTHING	150260	
WELL NAME	199-N-93A			CO	NST DATE		EASTING	571560	
HOST WELL ID				CO	NST DEPTH		ELEVATION	120.787	
	AST INSPECTION	N INFO	RMATIO			CURREN	IT INSPECTION INFO	RMATION	
WELL PAD			YES	□ NC	y ND*	WELL PAD		YES	NO
BRASS SURVEY MARK	ŒR	: :::::::::::::::::::::::::::::::::::::	YES	i NC	V ND*	BRASS SURVEY MARK	ER	YES	NO
MARKER STAMPED W	ITH SURVEY DATA		YES	∏ NC)	MARKER STAMPED W	ITH SURVEY DATA	YES	NO
MARKER STAMPED W	TTH WELL ID DATA		YES	□ NC	D ₩ ND*	MARKER STAMPED W	ITH WELL ID DATA	YES	NO
WELL LABELED WITH	WELL ID		YES	NC	y ND*	WELL LABELED WITH	WELL ID	YES	_ NO
WELL LABELED WITH	WELL NAME		YES	NC	y ND*	WELL LABELED WITH	WELL NAME	YES	_ NO
PROTECTIVE POSTS		111	YES	NC	v vD*	PROTECTIVE POSTS		YES	NO
REMOVABLE POST IN	PLACE		YES	NC	y ND*	REMOVABLE POST IN	PLACE	YES	NO
WELL LOCK		1 =	YES	NC	y ✓ ND*	WELL LOCK		YES	NO NO
WELL DAMAGED			YES		ND*	WELL DAMAGED		YES	NO
WELL IS DRY			YES	□ NC	✓ ND*	WELL IS DRY		YES	□ NO
PARTED CASING			YES	L NC	y ND*	PARTED CASING		YES	NO
BENTONITE IN WELL		: []	YES	NC	D ✓ ND*	BENTONITE IN WELL		YES	L! NO
WELL SANDED IN			YES	NC	D MD*	WELL SANDED IN		YES	□ NO
APSED CASING			YES	: NC	D ¥ ND*	COLLAPSED CASING		YES	NO NO
EQUIPMENT IN WELL	-	i c	YES		✓ ND*	EQUIPMENT IN WELL		YES	NO
DEBRIS IN WELL			YES	□ NC	y ND*	DEBRIS IN WELL		YES	_ NO
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DATE ACTIVITY PERF		 				DATE ACTIVITY PERF	·		
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FIELD ORDER NO			LAST INSPECTION	
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		ONST DATE ONST DEPTH	EASTING	571560
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C STICK UP(ft)				
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		!		
CHANGES				
				

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
A9879	199-N-93A	10/19/1994	DECOMMISSIONED		

A-6000-384 (01/93)

Boring or Well No. 1J-93 A / 49679 Sheet 2 of 2	2) Springs Characterization	Jump HEStempon Date 10/19/44	GEOLOGIC/HYDROLOGIC DATA	33.0 ' Sand' 35.0' Sitt	A-6000-384 (01/83)
WELL SUMMARY SHEET	Project 100-7.	GBrign Date 10/9/94 Reviewed By K	Depth in Graphic Log		
WELL SUA	Location (100 - 1) - SQL/mgs	Propored By Land Banger / (Sign/Phr. Name)	CONSTRUCTION DATA Description	8° Carbon Stel Temperary Casing Set at 43abt	
4					

1 t

199-N-93A Boring or Well No. **WELL SUMMARY SHEET** Northing Easting Sheet of N-Springs Location _ Project N-Springs Barrier Wall 392.90 Elevation _ Drilling Contractor _ Kaiser Hanford Co. G. Howell Driller Drilling Method and Equipment Cable Tool Prepared by V.M. Johnson ~3 (Sign/Print Name) **CONSTRUCTION DATA** Depth GEOLOGIC/HYDROLOGIC DATA ಲ Description Well Construction Graphic Log Lithologic Description Feet Road fill (Approximate depth not shown.) Hole abandoned 10/19/94 with 0.0-5.0 ft Silty Sandy GRAVEL bentonite hole plug. (stabilization) Cement pad installed at surface At 5.0 ft, encountering large cobble/boulder (covered). material. Difficult to advance borehole. HANFORD FORMATION: 5 to 7 ft: Gray to brown-gray pebble-cobble gravel with a 10 sand matrix. Boulder may be present. RINGOLD UNIT E: 7 to 33 ft: Gray, green-gray, borwn, and red-brown sandy pebblel-cobble gravel. Silt content variable and some cementation may be present in lower half. Sandy interbed from 15 to 17 ft. 20 10.0-16.0 ft Slightly Silty Sandy GRAVEL 16.0-17.5 ft Silty Sandy GRAVEL 17.5-18.5 ft. SAND 18.5-19.25 ft Gravelly SAND 19.25-20.0 ft Sandy GRAVEL 20.0-23.0 ft. Slightly Silty Sandy GRAVEL 23.0-30.0 ft Sandy Silty GRAVEL 30 10-in temporary carbon steel casing 25.0 ft Silt cementing sand and gravel. set at 30.8-ft. 30.0-33.0 ft Silty Sandy GRAVEL 33.0-35.0 ft Slightly Sandy SILT RINGOLD UPPER MUD: 33 to 43 ft: Green, gray, and brown silt with minor clay and sand. 35.0-43.0 ft SILT 40 8-in temporary carbon steel casing set at 43.0-ft. Total depth 43.0-ft. 50 60 70

*LD ORDER NO .vell ID Well name	A9881 199-N-95A					CONST DATE			LAST INSPECTI NORTHING EASTING		1/1/1801 149970 571360			
HOST WELL ID					(CONS.	T D	PTH	ELEVATION					
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REMOVABLE POST IN	PLACE	:	YE	5		NO	~	ND*	REMOVABLE POST IN PLACE		YES		NO	
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CONSTRUCTION DATA VN JHINSIN WELL SUMMARY SHEET V Source Surair Wall Boring or Well No. Contact N-95A /A9881 A-6000-384 (01/93) ×

100-NR-2

	WELL SUMMARY SHEET			Boring or Well No. 199-N-95A Northing Easting Sheet 1 of 1		
Ī	Location N-Springs Pro			roject N-Springs Barrier Wall		
}				rilling Contractor, Kaiser Hanford Co		
ł	Driller M. Wraspir Dr					~7
	Prepared by V.M. Johnson			_		2
-	(Sign/Print Name)			h geni gelekiyapai agia bara. Si		
<i>\</i>	CONSTRUCTION DATA Description Well Construction		Depth _in	Graphic Log	GEOLOGIC/HYDROLOGIC DATA	
/	Hole abandoned 10/18/94 with bentonite hole plug. Cement pad installed at surface (covered).		Feet	C	Lithologic Description Road fill (Approximate depth not 0.0-3.5 ft Sandy GRAVEL (stabil HANFORD FORMATION: 0 to 1 to brown, sandy pebble-cobble containing up to 70% basalt.	shown.) lization) - 4 ft: Gray gravel
			- - 10 -	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	may be boulder rich. 1.5 ft Large cobbles approximate diameter. 3.5-15.0 ft Gravelly SAND	ely 8 in
-			- - - 20		RINGOLD UNIT E: 14 to 38.5 ft pebble-cobble gravel containing basalt. Sandy interbeds at 18 and 27 to 32 ft. Iron oxide stain lower 8 ft. 15.0-18.0 ft Sandy GRAVEL	g < 40% to 20 ft
168	10-in temporary carbon-steel casing set at 26.4-ft		- - -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sandy Gravel grades to uniform: 18.0-20.5 ft SAND 20.5-27.0 ft Sandy GRAVEL Increasing gravel size to small co 23.0 ft	
			- 30 - - -	0 0 0	27.0-32.5 ft Gravelly SAND 32.5-38.5 ft Silty Sandy GRAVE	:L
	•		- 40 -		38.5-40.0 ft SILT RINGOLD UPPER MUD: 38.5 to Clayey to sandy silty. 40.0-43.0 Silt/CLAY 43.0-45.0 ft SILT	49.0 ft:
0	8-in temporary carbon-steel casing set at 48.5-ft Total depth 49.0-ft.		 50		45.0-49.0 ft CLAY/SILT	-
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}	•		 -	7		-
	-	inchee 26 20 12 6 4 0 4 6 12 20 28	_	C/Z S P C	/8 !	•

5,5,2 A-6000-384 (01/83) 10/11/01 Jan 14 SAVID 0036341 56 SAND Lithologic Description 99-N-97A GEOLOGIC/HYDROLOGIC DATA GNAS MINO From 14 SAND 210' Slish Un 5114 Surlect Stabilly 4.0'unthiasing VAS, wood moon M'Sounies Barries Was Arp-N-921 5' Sandy Boring or Well No. 30.0 3 0: Reviewed By (100-NR-2 를 프를 22 B 2 23 13 WELL SUMMARY SHEET VN JAMOPH VALLOPOSEM CONSTRUCTION DATA AGR83 duether bowhole 46.0 Description 10,00 3 WHI 'साधवऽ

40. 199-N-97A/49883	11/1/1/	Verme)	GEOLOGICANDROLOGIC DATA	Lithologic Description		2	T contact									dirith in backets										
Boring or Wall No. Sheet	" NSoung Basine	Reviewed By Elfur LE	GEOLOGIC	Graphic Log	i0 (i:0	35'\San	35.0' SICT		 	\$ \$ \$ * *	\$ s s	\	5 5 6 7 7 7 7 7 7 7 7 7	 ; ;	5 5 5 5	2 2 40, 14	4									
SUMMARY SHEET	Pol	75/E1/01 esta	Depth	Diagram Feet	32	3	35	5	١			1	 	ı	1_		*		1				 			
WELL SUM	N Sounge	Vru Johnson Vin Johnson	CONSTRUCTION DATA	Description																						

RY SHEET	00-NF-2	ring or Well N orthing Sheet	o. 199-N-97A Easting 1of1	
	Projec	t N-Springs	Barrier Wall	
				0 (
				4
		••		7
/Print Name)				<u>~</u> ₩
ATA	√ i'n			
Well Construction	Feet	Graphic Log	O.O-8.0 ft Sandy GRAVEL HANFORD FORMATION: 0 to 4.5 gray, sandy pebble-cobble gravel RINGOLD UNIT E: 4.5 to 35 ft: Pe brown, sandy pebble-cobble gravel containing <30% basalt. Large may be present at 20 to 24 ft ar 30 ft. 8.0-9.5 ft Gravelly SAND 9.5-20.0 ft Sandy GRAVEL 14.0 ft increasing silt 20.0-26.5 ft Gravelly SAND 26.5-29.0 ft Sandy GRAVEL 29.0-30.0 ft Slightly Silty SAND 30.0-31.5 ft Sandy GRAVEL 31.5-33.5 ft Gravelly SAND 33.5-35.0 ft Sandy GRAVEL 35.0-46.0 ft SILT (some clay)	ft: Light ale el cobbles d 28 to
	- 50 - 50 - 60 - 70			
	RY SHEE!	Project Drillin Drillin Drillin Drillin Drillin State Seat Seat Seat Seat Seat Seat Sea	Project N-Springs Drilling Contractor Drilling Method and Print Name Project N-Springs	Project N-Springs Barrier Wall Drilling Contractor Kaiser Hanford Cq. Drilling Method and Equipment Cable Tool Print Name TA Depth In Graphic Log Lithologic Description Well Construction Feet Gray Sandy Pebble-cobble gravel RINGOLD UNIT E: 4.5 to 35 ft: Paramy be present at 20 to 24 ft and 30 ft. 10 September Sandy GRAVEL Sandy Gravelly Sand Gravelly Sandy Gravell Sandy Gravell Sandy Gravelly Sandy Gravelly Sandy Gravell Sandy Gravell Sandy Gravell Sandy Gravell Sandy Gravelly Sandy Gravell Sandy Gravel Sandy Gravel Sandy Gravell Sandy Gravell Sandy Gravel Sandy Grav

LD ORDER NO LAST INSPECTION 1/1/1801 A9102 vv ELL ID **NORTHING** 154411.007 **WELL NAME** 699-101-48C CONST DATE **EASTING** 575222.887 **HOST WELL ID** CONST DEPTH **ELEVATION** 119.506 **CURRENT INSPECTION INFORMATION** LAST INSPECTION INFORMATION WELL PAD WELL PAD ✓ YES NO ND* YES NO BRASS SURVEY MARKER BRASS SURVEY MARKER L YES NO IVI ND* YES NO MARKER STAMPED WITH SURVEY DATA MARKER STAMPED WITH SURVEY DATA | THES ✓ ND* NO YES NO MARKER STAMPED WITH WELL ID DATA MARKER STAMPED WITH WELL ID DATA YES NO ✓ ND* YES NO WELL LABELED WITH WELL ID WELL LABELED WITH WELL ID YES NO ✓ ND* YES NO WELL LABELED WITH WELL NAME WELL LABELED WITH WELL NAME ✓ ND* YES NO YES NO PROTECTIVE POSTS PROTECTIVE POSTS YES NO ✓: ND* YES NO REMOVABLE POST IN PLACE REMOVABLE POST IN PLACE ✓ ND* YES NO YE\$ NO WELL LOCK WELL LOCK ✓ ND* YES NO YES NO WELL DAMAGED WELL DAMAGED YES ✓ ND* NO YES NO WELL IS DRY WELL IS DRY ✓ ND* YES NO 11 YES NO PARTED CASING PARTED CASING ✓ ND* YES NO YES NO BENTONITE IN WELL BENTONITE IN WELL ✓ ND* YES NO YES NO WELL SANDED IN WELL SANDED IN YES NO ✓ ND* YES NO LAPSED CASING COLLAPSED CASING YES Li NO ✓ ND* YES NO **EQUIPMENT IN WELL** *IEQUIPMENT IN WELL* [NO ✓ ND* YES YES NO DEBRIS IN WELL DEBRIS IN WELL L NO YES ✓ ND* YES NO SURFACE EROSION SURFACE EROSION __ MAJOR __ NONE MAJOR NONE ☐ MINOR ✓ ND* **MINOR** LAST PUMP INFORMATION **CURRENT PUMP INFORMATION** PUMP ACTIVITY PERFORMED PUMP ACTIVITY PERFORMED ☐! INSTALLED **INSTALLED** ✓ ND* REPLACED REPLACED ☐ REMOVED REMOVED PUMP TESTED PUMP TESTED YES | NO ✓ ND* YES NO NEW PUMP **INEW PUMP** ✓ ND* YES YES NO ACTIVITY PEFORMED BY ND* ACTIVITY PEFORMED BY DATE ACTIVITY PERFORMED DATE ACTIVITY PERFORMED PUMP TYPE IND* PUMP TYPE PUMP MAKE !ND* PUMP MAKE PUMP MODEL ND* PUMP MODEL IPUMP INTAKE DEPTH (ft) PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING SIZE (in) TUBING MATERIAL TUBING MATERIAL ND* "" 'SING LENGTH (ft) ITUBING LENGTH (ft) ND* TUBING CONNECTION ING CONNECTION الاح

FIELD ORDER NO					LAST INSPECTION	1/1/1801
WELL ID	A9102				NORTHING	154411.007
WELL NAME	699-101-48C		CONST DATE		EASTING	575222.887
HOST WELL ID			CONST DEPTH		ELEVATION	119.506
	MEASUREMENT	INFORMATION	······································			
	i	LAST	CURRENT	🔲		
A DEPTH TO WATER	: :					
DEPTH TO WATER			-,			
B'DEPTH TO BOTTON						
DEPTH TO BOTTOM						
	10.35				A	•
C STICK UP(ft) D REFERENCE MARK				.		
						В
REFERENCE MARK	IS TOC YES	NO V	O* YES NO			
	PERFORATION	INFORMATION	1	1		
CASING SIZE T	OP BOTTOM C	JTS/FT/ROUN	D			
	. <u>=</u>				▼ Depth to Water	
CHANCEC						
CHANGES					Depth to Bottom of Well	ı
					Depth t	to Bottom of Casing
					H TO WATER FROM TOP OF CA H TO BOTTOM OF WELL FROM	
		ODMITTON			OF CASING TO GROUND SURFA	
	CASING INF	ORMATION		D TOP	OF CASING TO SURVEY REFERE	ENCE MARKER
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONN	ECTION THICKNESS	
			i			
CHANGES						
	SCREEN IN	ORMATION				
			_	war.	CLOT CITE	
SIZE TOP	воттом	MATERIAL		YPE	SLOT SIZE	
5114N655						
CHANGES		<u>.</u>				
	<u> </u>					

WESTINGHO HANFORD CO				EXCAVATION PERMIT	
1. Work Package No. RD1CA	2. W.O./Project N FY95 WELL D	ECOMISSIONING			63-89,
4. Originated By			Date	5. Engineering Change Notice (ECM) N/A	
D.E. SKOGLIE 6. Drawings Required (Identification Numbe		/28/94	7. Other Affected Drawings or Documents	
N/A				WELL DECOMMISSIONING PLANNED FOR FIRST FISCAL YEAR 1995 BY WHC WELL SERVICES	QUARTER
ADMI		CODES (WAC-173-1		E CHECKLIST AND WASHINGTON ORK WILL BE DOCUMENTED ON FIELD	
		ing Safety Requirements for NDUCTED PER AN A		-CM-4-3, CM-8) BLE JOB HAZARD ANALYSIS.	
10. Excavation Requirem	ents Planning Check	list (Check appropriate bloc	ks to detern	nine supplemental approvals)	
Will the excavation y	work:				
Yes No	cess, pedestrian or v	rehicle, to or from any area	or building?	(If yes, Occupational Health and Safety approval required.) Block 17	
				rack Maintenance approval required.) Block 18	
be with	in the 600 Area? (If	yes, 600 Area Landlord ap	proval requi	red.) Block 19	}
	er or immediately adj.	acent to any high voltage lie	ne or switch	ing equipment? (If yes, Electrical Utilities approval required.) Block 20	0
☐ X be with	in or immediately adj Safeguards and Sec	scant to the boundaries of unity approval required.) Blo	a security b	arrier or will uncover a security system for maintenance or modification	n?
be perfe	ormed over, under, o al required.) Block 2:	r immediately adjacent to a	ny steam, s	ewer, or water utility lines? (If yes, Steam/Water Utilities	
be perfe	ormed in the vicinity	of telecommunication lines	? (if yes, iR	M Plant Telephone approval required.). Block 23	{
	ormed in areas other g approval required.)		ings, water	sites, and those required to remove existing surplus facilities? (If yes,	Site
11. List Facilities, Service				SUPPLEMENTAL APPROVALS	
CODES.	MILL BE DEC	OMMISSIONED PER	WAC (17. Occupational Health & Safety Thursday Health & Safety 18. Track Meintenance	Date AU 94 Date
	REQUIRED APP	ROVALS		N/A	
12. Cultural Resources Ri HCf DE. LKoglic in	eview (all Packages) PC 93-600-0 Beth Cmit	OF CARO IND	Date 1/16/94@ 13:30	19. 600 Area Landlord	Date nr 94
13. Occupational Health			Date	20. Electrical Utilities	Date
N/A	r <i>1</i> 27			N/A 21. Safeguards and Security	Date
RWP Required Yes				N/A 22. Steam/Water Utilities	Date
14. Environmental Assura	engen (Tor W.Q./Projec		7-94	N/A	7 2815
15. Cognizant Engineer (or W.O./Project Paci		Date	23. IRM Plant Telephone (24 hours prior to start)	Date
David E Shop	سنيل		16/94	N/A	
16. Facility/Plant Manage N/A	fr (for W.O./Project P	ackages only)	Data	24. Site Planning fer DE Skeglie for Ed yours televen	1116/948 14:07
					373 (06/92)

. . .

TEST WELL #5

T 14N, R 26E, NW 1/4 of Section 12 50 ft. from Columbia River

0'	-	21'	Boulders and cobbles with some sand and sandy clay in the openings
21'	-	241	Sand and cobbles
241	-	431	Coarse gravel and cobbles with some sand
431	-	451	Medium and coarse gravel with very little sand
451	-	471	Sand and fine gravel
471	-	491	Clay bound medium and coarse gravel
491	-	771	Fine yellow sandstone - clacareous cement

Screen set with bottom at 47' Pipe left in hole 43' 3"

•			104		79102-01
A910	WELL RE	FIELD ACTIVITY REPO MEDIATION AND ABA	NDONMENT		Page1 _ of
Date Well 12/08/94 6	No. 899-101-48C	Rig Type/Model Rig No. Schran #61	Contract/Work Ordo MBGSWV37	er No. Start Card No. 320	Report No. A9102-01
Purpose Decommissio	oning of well	- Mobilization and	set-up	rence N/A N/A	Location 600 Area
Hole Size	Casing Size	Tune	Set At	Personnel	1
7'' Total Depth 77 - 0	6" N/A" N/A	N/A -	47.00° N/A	Operator <u>Mans</u> Print & Sign Name	afieldic No. 2223 (Acceptance)
Reference/Measur	ing Point	······································		J. Mansfie	eld/
Ground sur	face	N/A		ľ	Helper Staco
Start Time End Time Time Contractor Time Total Time	nt-Helper Staco r-Proj. Mgr. Staco -WHC N/A				
Total Time	10		/A		
			perations/Remarks		
road opera 0700-073	tions. Equip O: Moved equ	eting was held by St ment was started an ipment to facilitate a van and crew onsit	d warmed access of WH	C camera van.	N/A N/A
		a van and crew onsi			
	_	tacked and mobilized at and personnel wer			
pre-job me	eting was co	et-up over well. Conducted by M. Walkup	≻WHC. Steps	for decommiss	ioning of well
		habitat area" and			
E .		- Habibat did did			
[v to WSS pipeyard to			
		ite			
1330-150	0: Diverter	nead was welded on w	well casing.	Equi pm ent was	set-up to drill
out fill i	n well. Bot	tom of well was tagg	ged at ~7.0°.	HPT on locat	ion. Equipment
and person	nel were sur	veyed, no contaminat	cion found		-N/A
		maintenance perform			
by placing		ar and bushing in th			n/n
		N/A			
Title E	.W. Walkup	echnician	Reviewed By Title SR. A Signature A	D. E. SKOG PLANT Enginee David & Sk	Date 12/01/94

Distribution: White - Group File Custodian Yellow - Group Files Pink - Project Coordinator Goldenrod - Team Leader BC-6000-287 (02/90)

NON-REGORD COPY

A9102-02

A 9/02 WELL REMEDIATION A		Page	_1 of _1_						
Date Well No. Rig Type/Model 12/12/94 699-101-48C Schram	Rig No. #61	Contract/World	k Order No. V372778	Start Card No 320		Report No. A9102-02			
Purpose	<u></u>		Reference	<u> </u>	Locatio				
Decommissioning of well- Clean well depthN/A			N/I	A A		600 Area N/A			
Hole Size Casing Size Type		Set At		onnel					
7" 6" C.S. Total Depth N/A" N/A 77.0" N/A N/A		47.00° N/A N/A	- Ope	rator <u>Mans</u> t & Sign Name		ic No. <u>2223</u>			
Reference/Measuring Point		11/11	J	. Mansfie					
Ground surfaceN/	'A		Oth	er: . McCoy-H	elper	Staco			
Start Time 0630 Hrs. Materials Used P. LaPlaunt-Helper									
1020 11	-Proj	. Mgr. Staco							
End Time	WHC erry-	WHC QA							
17.44	N/A								
Total Time 10									
Description of Operations/Remarks									
0630-0700: Safety meeting was held by Staco crew. Topics discussed included winter									
driving hazards. Equipment was started and warmedN/A									
0700-0800: Crew traveled to well									
0800-0900: Tripped in hole and dr									
all equipment were surveyed, no cor									
0900-0915: Set diverter on well 0915-1200: Drilled to 43.0° with									
to put any pulldown on rig due to drill collar. Tripped back in hole									
hole and put on a 5 1/8" tricone by									
at 43.0° Metal cuttings were com									
well screen has a metal cap on the									
1200-1400: Set-up and started to	perfora	te casing	with a 6	O" Holt	star	wheel			
perforator. The perforator makes	_								
pass. Hole filled up with fine sau									
the lower 20.0°. The sand started									
1400-1430: Tripped back in well s									
hole open, sand is entering well the	hru perf	orations.	Tripped	out of h	ole	N/A			
1430-1630: Set up for grouting.	Will tr	y to dril	l back to	43.0° wi	th m	ıd and			
continue perforating through the d	rilling	mud		N/A					
Report By M.W. Walkup		Reviewed B	y D.E. S	KOGLIE		Λ			
Title Engineering Technician		Title <u>SE</u>	ENGIN	iee_	D	ate <u>12/16/94</u>			
Signature Trick William		Signature _	Danis	c. Skoze	ie_	ate <u>2/16/94</u>			

NON-520013 5007 A9102-03

A-9100	FIELD WELL REMEDIA	ACTIVITY REPORT	L –	T	·	3 Page 1 of 1		
Date We		e/Model Rig No.	Contract/Work	Order No.				
	699-101-460	Schram #61		V37277				
	oning of well- Pe		it well.		N/A N/A	Location 600 Area N/A		
Hole Size	Casing Size	Type	Set At	F	ersonnel			
7" Total Depth	6" N/A"	C.S. N/A	47.00° N/A		perator <u>Mans</u>	fieldic No. 2223		
77.0	N/A	N/A	N/A		rint & Sign Name	(Acceptance)		
Reference/Measur	ring Point •face	N /A		c	J. Mansfie Other:	10/10/60		
dround sur						delper Staco		
Start Time End Time	1630 Hrs.	Materials Used 10 bags Pure 1 bag cement			N. Speaker M. Walkup-	t-Helper Staco -Proj. Mgr. Staco WHC		
Time	17.74	N/	Ä		····	N/A		
Contractor Time Total Time		N/				N/A		
Total Time		<u> </u>				**/**		
		Description of Ope	rations/Remark	45				
site clean 0700-080 lbs./gal.	0630-0700: Safety meeting was held by Staco crew. Topics discussed included keeping site clean. Equipment was started and warmedN/A							
grout-mud	weight 10.0 lbs./	gal. Weight det	ermined b	y mud	balance	N/A		
	0: Drilled hole to t as drilling mud		•			· ·		
	30: Tripped out of . The perforator							
41.0° back	to ground surfac	e. Four equidis	tant pass	es per	foot were	made. Tripped		
drill rod	and perforator ou	t of hole			N/A			
						mud balance		
Moved mud 1200-130 cement cap	tub and rig off o	f hole See att .0° below ground plug in casing.	ached WHC surface Placed b	form and cu rass l	for grout m t well casi ocator pin	ng off. Placed in cement cap and		
1300-163	00: Well site was	cleaned and equi	pment was	clean	ed with a h	igh pressure		
	ner. See attache							
	some equipment to							
	e well					A		
		· · · · · · · · · · · · · · · · · · ·		-				
	I.W. Walkup		Reviewed By	1 <u> </u>	. SKOGLI			
	ingineering Techni		Title54	c. car	THE 11	E Date 12/16/94		
Signature	Garage Col Colon	The state of the s	Signature	Nai	uac-sko	gero		

		RESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-101-48C
		STRUCTURE FITNESS FOR USE CHECKLIST	Page 1 of 2
<u> </u>			1 1 2
2.		a need for use of the well been identified and documented?	
	!_	No 1 No potential user identified	
3.		· · · · · · · · · · · · · · · · · · ·	
] .		No , No use identifed	
4.		asing sealed in accordance with IAW WAC 173-160-075?	
	_	No 1 No documentation of annular seal	
	41.	Natural barriers preserved?	au i fan
Ì		NA Well terminates within top of unconfined a	quiter
	4b.	Aquifer/strate pentrated permanently seeled?	
Į		I No I No seals documented Annulus sealed against surface water?	
ŀ	4C.	No 1 No surface seal documented	
	40.	Cesing overlap more than 8 ft; packed and grouted? (N/A) Not applicable	
_		of in use, is well capped IAW WAC 173-160-0857	
5.		Yes Capped and locked	
٦		seign and construction IAW WAC 173-160-5007	
ື		No ; No annular seal documented	
	_	Saturated formation/aquifers not connected?	
l	Ça,	1 NA 1 Penetrates unconfined aquifer only	
	e h	Cuttings/development water handled IAW WAC 173-303?	
ŀ	Ou.	1 N/A 1 Drilled before applicable date of WAC 173-	303
	60	Well properly indentified?	
	٠	No No permanent identification	
,	10 0	urlace protection IAW WAC 173-160-5107	
''		No 1 No surface seal documented	
	_	Well capped and protected?	
	, . .	N/A Not applicable	
	7h	Protective posts, surface pad or cover installed?	
		N/A Not applicable	
	7c.	Surface protection waived or variance obtained?	
		N/A Not applicable	
	7d.	is existing surface protection damaged?	
		N/A Not applicable	
8.	Are	casing materials IAW 173-160-5207	
	1	N/A Not applicable	
9.	٠	drill rig/drilling equipment cleaned IAW WAC 173-160-530?	
		N/A Not applicable	
	-	Drill rig/equipment casing/screen cleaned?	
		N/A Not applicable	
	9b.	Filter pack cleaned? Material compatible?	
		N/A Not applicable	
RCF	IA/CI	RCLA MONITORING WELL?	
		s water sample from vertical screened interval represent horizontal	
		tigraphy?	
		N/A 1 Not applicable	
	10a	Screened interval documented?	
		(N/A) Not applicable	
	10b	. Vertical lithology documented?	
		Yes Has driller's log	



A-6000-451 (06/93)

RESOURCE PROTECTION GROUNDWATER WELL	699-101-48C
STRUCTURE FITNESS FOR USE CHECKLIST	Page 2 of 2
11. Is design and construction IAW WAC 173-160-540?	
N/A Not applicable	
11s, Screen commercially fabricated of material nonreactive to subsurface conditions?	
(N/A) Not applicable	
11b, If filter pack installed, extends from bottom of screen to at least 3 ft above screen	L
(N/A) Not applicable	
11c. Well has been developed.	
[N/A] Not applicable 11d. Annulus grouted with bentonite or bentonite/cement mixture.	
1 N/A Not applicable	
12. Does water sample meet established acceptance criteria? Sample is loss than 5 NTU and sand free.	
(N/A)Not applicable	
13. Data Sources Used: Logs: Note Annual and OF	/00 //0
Diller's: NOT GOCUMENTED Date: US	
Geologist: N/A Data:	
Geophysical: N/A Date:	
Television: N/A Date:	Company:
Publications: Title, Author, Date	
HANFORD WELLS, M. A. Chamness and J. K. Merz, Au	gast 1993
Detabeses:	
WHC Well Services	
Field Check: WHC Well Services Date: 11	/03/94 Company:
Other:	
14. Comments: Identify evaluation criteria addressed by number:	
15. Status	
	acks seals
Wall is acceptable for intended use if variance is granted NA Not app	olicable
	olicable
	s no identified user
Decommission, wall is unneeded or cannot be remediated (Yes) Well his	s no identified need
Other []	
16 Status Recommendation	Scientist - 11/15/04
Done By: Name: R. K. Ledgerwood Title: Principal	Scientist Date: 11/16/94

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST		Page 1 of 2
Project No.: FY95 WELL DECOMMISSIONING Task No.: RDICA	Well No.:	18C (A 9102)
WORK PLANNING/INITIATION: ☐ Remediate ☑ Decommission	Completion Date or NR	Attachment Number or NA
Evaluation Checklist Approved: WHC-CM-7-7, Ell 6.6, "Resource Protection Well Characterization and Evaluation"	11/23/94	WAC-SD-EN- AP-161 ECN # 614122
Engineering Specification Issued:	1/23/94	WHC-50-EN-
WHC-CM-6-1, EP-1.2, "Engineering Specifications"	' ' ' ' '	
Letter of Instruction Issued:	NR	NA
Ell 1.15, "Preparation of SOW/LOI"		
Authorization Work Order Issued:	NK	NA
WHC-CM-2-5, Section 2.5, "External Work Orders"		
Job Safety Analysis Completed: WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"	11/15/94	08294
Hazardous Waste Operations Permit Issued:		
WHC-CM-7-7, Ell 2.1, "Preparation of Hazardous Waste Operations Permits"	NR	NA
Cultural Resources Review Completed/Variance Obtained:	11/10/94	95-600-006
WHC-CM-7-5, 12.3, "Historical and Archaeological Site Preservation"		
Endangered Species Review Completed/Variance Obtained:	11/03/94	95-600-006
WHC-CM-7-5, 12.4, "Plant and Wildlife Species on the Hanford Site"	, - , . ,	
Excavation Permit Obtained:	11/17/94	PHASE I
WHC-CM-8-7, Section 503.1, "Excavation Permits"		
Radiation Work Permit Obtained:	N.C	NA
WHC-CM-4-10, Section 8.0, "Radiation Work Requirements and Permits"	/	<u> </u>
ALARA Worksheet Completed	1/18/94	NA
WHC-CM-4-11, "ALARA Program Manual"	110777	ļ. <u> </u>
Start Card Transmitted:	11/17/94	32031
WAC 173-160-055, "Well Construction Notification" (Start Card)	17/7/7	1 32031
Work Schedule Completed:	1414194	Α (
Project management software or equivalent	. , , , , ,	<u> </u>
Retired Area Entry Permit Obtained:	NK	NA
WHC-CM-4-3, Standard G-10, "Retired Hanford Facilities"		ļ
Training Requirements Completed:	11/17/94	NA
WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry Requirements"		1
Comments: 579Co CENTRACT NO: M372778		A

APPROVALS: (Print/sign name and date)

D.E. SKOGLIE David Ling Ling H.

Field Team Leader/Drilling Engireder

H/23/94 Date

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST		Page 2 of 2
Project No.: Task No.: FY95-Well Decommissioning RDICA	Well No.: 699-101	-48C (A9102)
WORK PERFORMANCE/EVALUATION	Completion Date or NR	Attachment Number or NA
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drilling, Well Developmer and Sampling Equipment"	Prejob <u>10/14/94</u> Postjob <u>12/14/94</u>	Field Cleanin / December 1
Material Verifications Completed: Applicable Engineering Specification, No	NA 12/13/94 NA NA	NA FAR A910Z-0 NA NA NA
Perforations Completed as Specified: Applicable Engineering Specification	12/13/94	FAR A 9102-03
Liner and Grout Installed as Specified: Applicable Engineering Specification	NR	NA
Pad/Posthole Excavation Completed: Applicable Engineering Specification	NR	NA
Concrete Pad, Reinforcing Material, and Inset Marker Cap Installed as Specified: Applicable Engineering Specification	NR	NA
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification	NE	NA
Guard Posts/Metal Sleeve Installed as Specified: Applicable Engineering Specification	NR	NA
Well Identification Stamped and Correct: Applicable Engineering Specification	12/13/94	FAR A9102-03
Well Reports Complete and Submitted to State: WAC 173-160-050, "Records"	01/13/95	9550245
Survey Complete, Survey Report Received and as Specified: Applicable Engineering Specification	NR	NA
Site Restored: Applicable Engineering Specification	12/13/94	FAR A9102-03
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Nonhazardous Solid Waste Disposal:	NR	NA
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commitment Control:	01/13/95	9550245
Comments: NA		
APPROVALS: (Print/sign name and date) E Sko glue 01/13/95 Floid Team Leaght/Drilling Engineer Date		

A-6000-472 (02/93)

Pile Original and First Copy with Department of Ecology ound Copy — Owner's Copy

WATER WELL REPORT STATE OF WASHINGTON

A 32031

UNIQUE WELL LD. # 699-101-48C

Third Copy — Driller's Copy	Wester Right Permit No.
	Richland, Washington 99352
(2) LOCATION OF WELL: County Benton	SW 14 NW 148 12 T 14N N.R 26E WM.
(2a) STREET ADDRESS OF WELL (or named address) NA	
(3) PROPOSED USE: Domestic Industrial Municipal Information	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
□ DeWester Test Well 4□ Other □	Formation: Describe by color, character, size of material and structure, and show thickness of aquities and the kind and nature of the material in each stratum panetrated, with at least one unity for each
(4) TYPE OF WORK: Owner's number of well A9102	change of information. MATERIAL PROM TO
Abendoned (2) New well	Reference attached as-built
Reconditioned	
(5) DMMENSIONS: Diameter of well / (NOM1110.17) Inches. Drilled 77 test. Depth of completed well 43 ft.	
(6) CONSTRUCTION DETAILS: Reference attached as-buil	
(6) CONSTRUCTION DETAILS: Refer effice acceptated as 500 ft.	
Welded Diam. from ft. to t.	
Threeded Diam. fromft. toft.	
Perforetions: Yes XI No HOLL	
Type of perforation used 1/4 in, by in.	
HOIT perforations from 3 ft. to 43 ft.	
Spreame: Yes No No	
Manufacturer's Name	
Type Model No. Diam. Slot size from ft. to ft.	
Diem. Stot size from ft. to ft.	
Gravel packed: Yes 🔲 No 🔲 Size of gravel	
Gravel placed fromft. toft.	
Surface seel: Yes No To what depth? 1.	
Did any strata contain Imusable water? Yes No No	
Type of wider? Depth of strata	
Method of seeing strata off	
7) PUMP: Menufacturer's Name H.P.	
(8) WATER LEVELS: Land-surface elevation	
8 Bitalic level 7. below top of well Date 7.	
Artesian pressure	
(Cap, valve, etc.)	Work Started 12/08/94 19. Completed 12/13 19_94
9) WELL TESTS: Drawdown is amount water level is towered below static level Was a pump test made? Yes No H yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:
Yield:	constructed and/or accept responsibility for construction of this well, and its
11 H H H	compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level measured from well	Westinghouse Hanford Company
top to water level Time Wa	(PERSON, PIRIL, OR CORPORATION) (TYPE OR PRINT)
	Address P.O. Box 1970 Richland, WA 99352
	(Signed) License N 1580
Dette_of test	Contractor's
Belier test gal./min. with	Registration NA Date
Artesian flow g.p.m. Date Was a physical analysis made? Yes No	(USE ADDITIONAL SHEETS IF NECESSARY)

FOR INFORMATION ONLY NUM-PESSIE CON AGIOR FIELD ACTIVITY REPORT -CEMENT CALCULATIONS Continuation of Report No. 12-139+ 699-101-48C A9102-03 1.0 CEMENT STAGE VOLUME CALCULATIONS $\frac{42}{6}$ feet x 0.005454 x $\frac{6.5''}{6}$ D² = $\frac{9.68}{9.68}$ Cubic feet of coment-required 1.2 Cement Volume - Annular Spaces (D = Hole diameter, inches; d = OD of Tubing, inches) Between Tubing and Hole (D = Hole diameter, inches; d = OD of Casing, inches) Between Casing and Hole Between Tubing and Casing (D = ID of Casing, Inches; d = OD of Tubing, inches) ID of outer Casing, inches; d = OD of inner Casing, inches) ☐ Between Casings n = Number of tubing strings feet x 0.0408 x [D^2 - (d^2 x n)] = Gallons of cement required feet x 0.005454 x [D^2 - (d^2 x n)] = Cubic feet of cement required 2.0 SLURRY MIX CALCULATIONS 2.1 Calculate Sacks of Gerhant Type: 50 lbs/sack: 2.2 ft³/sack (mixed): 2.7 9.48 ft³ (cement - from 1.0) / $\frac{2.2}{14449}$ ft³/sack (mixed) = 4.4 sacks 4.4 sacks + .6 sacks excess) $\frac{2.2}{2.9}$ % required) = 6 Total sacks required 2.2 Calculate Mix Water Calculate Mix Water

Lit (MISPY)

B Total sacks cement x 14 gallons water/sack = B gallons of mix water required 2.3 Calculate Additive Amounts Total sacks x | Ibs/sack x % = | Ibs. required

Cement Additive Additive Additive Total sacks x | Ibs/sack x | % = | Ibs. required |
Coment | Additive | Additive | 3.0 DISPLACEMENT VOLUME CALCULATIONS 3.1 Balanced Plug Displacement ft. (top of cement) - ____A -ft. (water level) = ____ feet to be displaced -ft. (to be displaced) x gal/ft. = gallons of displacement water required 4.0 REMARKS PURE Gold GROUT. WATER VOLUMES BASED ON PURE GOU SOES. SHEET 1200 Volume = , 1344 GAL/FYAR = 5.64 GAL Report By Reviewed By J.E. Stoglie

Signature David Shoghi

	VITY REPORT - ALCULATIONS	Page 2 of 23					
1 41 1	tion of Report No. 10 2 0 3						
1.0 CEMENT STAGE VOLUME CALCULA	TIONS						
1.1 Gement Volume - Open Hole/Car	sing 6.5 ID of casing	g or diameter of hole, inches = D					
38 45 feet x 0.0408 x	$C_{1} \rightarrow D^{2} = 55.8$ Gallor	ns of cement required					
38 43 feet x 0.005454 x							
1.2 Cement Volume - Annular Space	*						
Between Tubing and Hole	(D = Hole diameter, inches; d	= OD of Tubing, inches)					
Between Casing and Hole	(D = Hole diameter, inches; d	OD of Casing, inches)					
Between Tubing and Casing	(D = ID of Casing, inches; d =	OD of Tubing, inches)					
☐ Between Casings	10 - 10 of outer Casing, inches	s; d = OD of inner Casing, inches)					
D = d =	n = Number of tubing strings						
feet x 0.0408 x [$D^2 - (\underline{} d^2 \times \underline{}^n) = \underline{}$	Gallons of cement required					
feet x 0.005454 x [$D^2 - (\underline{d^2 \times \underline{n}}) = $	Cubic feet of cement required					
2.0 SLURRY MIX CALCULATIONS							
2.1 Calculate Sacks of Gement	vne: つり lbs/sack: ~~	_ ft ³ /sack (mixed):					
8.74 ft ³ (perfent - from 1.0)	$\frac{2 \cdot 2}{\text{ft}^3/\text{sack (mixed)}} = \frac{3}{3}$	<i>58</i> sacks					
3.98 4 sacks + .02 sacks	excess) <u>*005</u> % required) =	7 Total sacks required					
2.2 Calculate Mix Water	(1 -/2 1	PET 1.18.944					
Total sacks oement x	/4 gallons water/sack = 54	gallons of mix water required					
2.3 Calculate Additive Amounts							
	acks xlbs/sack x	% = lbs. required					
Cament	Coment Additive	Additive					
Type Cement	acks x lbs/sack x Additive	Additive Ibs. required					
3.0 DISPLACEMENT VOLUME CALCULA	TIONS						
3.1 Balanced Plug Displacement							
ft. (top of cement) -	ft. (water level) =	feet to be displaced					
ft. (to be displaced) x	gal/ft. = gallons o	f displacement water required					
4.0 REMARKS		:					
* Pune Gold Grant							
Hole was Taking	EXTEN GROUT - MINED A	Aditional Bi76 Ft3					
AU OTHER DATA	on Pare 1						
	· · · · · · · · · · · · · · · · · · ·						
Report By	Reviewed By	E. SKOGLIE					
Title Driler	Title Se. Eng	muz Date 18/16/64					
Signature John Munistre 0	Signature	id E. Skoglii					

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2430 699-41-61A		ONST DATE		NORT EAST	INSPECT THING ING ATION	ION 1	/1/1801
	MEASUREMEN	IT INFORMATION						
		LAST	CURRENT		1	D C	1	1
A DEPTH TO WATER	(ft)							
DEPTH TO WATER								
B DEPTH TO BOTTON	1(ft)	ļ						
DEPTH TO BOTTON	1 DATE			' <u> </u>				
C STICK UP(ft)				-·			A .	
D REFERENCE MARK(ft)							
REFERENCE MARK	IS TOC YES	NO 📝 ND*	YES NO.					В
L—,		N INFORMATION	, <u>, , , , , , , , , , , , , , , , , , </u>					
CASING SIZE TO		CUTS/FT/ROUND			▼ Depth t	to Water	<u></u>	
					Depth to E			<u> </u>
	CASING I	NFORMATION		B DEPT	TH TO WATER F TH TO BOTTOM OF CASING TO OF CASING TO	ROM TOP O OF WELL FI GROUND SI	F CASING ROM TOP JRFACE/I	OF CASING PAD
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONN	IECTION	THICKNE	SS	
CHANGES								
	SCREEN I	NFORMATION						
SIZE TOP	воттом	MATERIAL		TYPE		SLOT SIZ	!E	
CHANGES								

"LD ORDER NO WELL ID WELL NAME HOST WELL ID	B2430 699-41-61A	· · · · · · · · · · · · · · · · ·			ST D	ATE EPTH	LAST INSPECTION NORTHING EASTING ELEVATION)N 1 	1/1/1801		
	LAST INSPECTIO	N INFOR	MATIC	ON		***	CURRENT INSPECTION IF	1FORN	1ATION		
WELL PAD			YES	NO	· ·	ND*	WELL PAD		YES		NO
BRASS SURVEY MARK	KER		YES	NO		ND*	BRASS SURVEY MARKER		YES		NO
MARKER STAMPED W	ITH SURVEY DATA		YES	NO		ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED W	ITH WELL ID DATA	A	YES	NO	! ~	ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YES	 _ NO	~	ND*	WELL LABELED WITH WELL ID	<u>:</u>	YES		NO
WELL LABELED WITH	WELL NAME		YES	NO		ND*	WELL LABELED WITH WELL NAME		YES		NO
PROTECTIVE POSTS			YES	NO		ND*	PROTECTIVE POSTS		YES		NO
REMOVABLE POST IN	I PLACE		YES	NO		ND*	REMOVABLE POST IN PLACE		YES		NO
WELL LOCK		T 1	YES	 NO	_	ND*	WELL LOCK		YES	77.	NO
WELL DAMAGED			YES	NO	· ·	ND*	WELL DAMAGED		YES		NO
WELL IS DRY			YES		~	ND*	WELL IS DRY		YES		NO
PARTED CASING			YES	NO	~	ND*	PARTED CASING		YES	:	NO
BENTONITE IN WELL		-	YES	NO		ND*	BENTONITE IN WELL		YES		NO
WELL SANDED IN			YES	NO	· _	ND*	WELL SANDED IN		YES		NO
LAPSED CASING		7	YES	 NO	~	ND*	COLLAPSED CASING		YES	1	NO
EQUIPMENT IN WELI	L		YES	: NO		ND*	EQUIPMENT IN WELL		YES		NO
DEBRIS IN WELL		!	YES	NO		ND*	DEBRIS IN WELL		YES		NO
SURFACE EROSION			MAJOR	R NO	NE	· I.	SURFACE EROSION		MAJOR	, — ·	NONE
			MINOF	R V ND	*				MINOR		
	LAST PUMP I	NFORMA	TION				CURRENT PUMP INFO	RMAT	ION		
PUMP ACTIVITY PER	FORMED	:!	INSTA	LLED			PUMP ACTIVITY PERFORMED		INSTAL	LED	
			REPLA	CED	*.	ND*		:	REPLAC		
		:	REMO	VED			The state of the s		REMOV	'ED_	
PUMP TESTED		e:	YES	NO	~	ND*	IPUMP TESTED	==	YES		NO
NEW PUMP			YES	NO		ND*	'NEW PUMP		YES		NO
ACTIVITY PEFORMEI	O BY :	:ND*					ACTIVITY PEFORMED BY				
DATE ACTIVITY PER	FORMED						DATE ACTIVITY PERFORMED				
PUMP TYPE		ND*					PUMP TYPE				
PUMP MAKE		:ND*					PUMP MAKE				
PUMP MODEL		ND*					PUMP MODEL				
PUMP INTAKE DEPTI	H (代)	•					PUMP INTAKE DEPTH (ft)	 !			
TUBING SIZE (in)	-						TUBING SIZE (in)				
TUBING MATERIAL		ND*					TUBING MATERIAL				
יי ING LENGTH (ft)	 	l·· ·					TUBING LENGTH (ft)				
Jaing CONNECTIO	ON	ND*		٠	•		TUBING CONNECTION				

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2430	699-41-61A	10/29/1994	DECOMMISSIONED		

LD ORDER NO WELL ID WELL NAME HOST WELL ID	B2431 699-41-61B		 ·			T DATE		LAST INS NORTHIN EASTING ELEVATION			/1/1801		
	AST INSPECTION	INFO	RMATIC	N				CURRENT INSPECT	ION INFO	RM	ATION		
WELL PAD			YES		NO	✓ ND)*	WELL PAD			YES	\Box	NO
BRASS SURVEY MARK	ER		YES		NO	₩ ND)*	BRASS SURVEY MARKER			YES		NO
MARKER STAMPED WI	TH SURVEY DATA		YES	:	NO	✓ ND		MARKER STAMPED WITH SURVEY	DATA		YES		NO
MARKER STAMPED WI	TH WELL ID DATA		YES		NO	✓ ND		MARKER STAMPED WITH WELL I	DATA		YES		NO
WELL LABELED WITH	WELL ID		YES		NO	✓ ND		WELL LABELED WITH WELL ID			YES		NO
WELL LABELED WITH	WELL NAME		YES	:=:	NO	✓ ND		WELL LABELED WITH WELL NAMI			YES		NO :
PROTECTIVE POSTS		† <u>-</u>	YES		NO	✓ ND		PROTECTIVE POSTS		- 1	YES		NO
REMOVABLE POST IN	PLACE		YES	;	NO	✓ ND		REMOVABLE POST IN PLACE		_	YES		NO
WELL LOCK			YES		NO	✓ ND		WELL LOCK			YES		NO
WELL DAMAGED			YES		NO	i V ND		WELL DAMAGED			YES		NO
WELL IS DRY			YES		NO	✓ ND		WELL IS DRY			YES		NO
PARTED CASING		†	YES		NO	✓ ND)*	PARTED CASING		=.	YES		NO
BENTONITE IN WELL			YES		NO	✓ ND)*	BENTONITE IN WELL			YES		NO
WELL SANDED IN			YES		NO	V ND		WELL SANDED IN			YES		NO
APSED CASING		! []	YES		NO	✓ ND		COLLAPSED CASING		= :	YEŞ		NO
EQUIPMENT IN WELL			YES	Γ	NO	✓ ND		EQUIPMENT IN WELL		 :	YES		NO
DEBRIS IN WELL			YES	 i	NO	✓ NE	····—	DEBRIS IN WELL	<u> </u>		YES	Ľ	NO
SURFACE EROSION			MAJOR	=	NON			SURFACE EROSION			MAJOR		NONE
!			MINOR	✓	ND*						MINOR		
	LAST PUMP IN	IFORM	ATION					CURRENT PUM	P INFORM	ATI	ON		
PUMP ACTIVITY PERF	ORMED		INSTA			,		PUMP ACTIVITY PERFORMED			INSTAL		
1		-	REPLA			Y ND)*	;	:	<u>!</u> '	REPLAC		
PUMP TESTED			REMO	VED				PUMP TESTED		=	REMOV	ED	
NEW PUMP		<u> </u>	YES		NO	✓ NE		PUMP TESTED NEW PUMP		7.71	YES	r	NO
ACTIVITY PEFORMED	DV	iND*	YES	<u> </u>	NO	V NE)*	ACTIVITY PEFORMED BY	·	<u>:</u>	YES		NO
DATE ACTIVITY PERF								DATE ACTIVITY PERFORMED	!				
IPUMP TYPE	ORMED	∣ √ND*						PUMP TYPE					
PUMP MAKE		ND*						PUMP MAKE	:				
		ND*						PUMP MODEL					
PUMP MODEL PUMP INTAKE DEPTH	(0)	IND						PUMP INTAKE DEPTH (ft)	<u></u>				
	(ir)	<u> </u>						TUBING SIZE (in)					
TUBING SIZE (in) TUBING MATERIAL		ND*						TUBING MATERIAL					
"ING LENGTH (ft)								TUBING LENGTH (ft)					
JING CONNECTION	<u>-</u>	ND*						TUBING CONNECTION					
DING CONNECTION	¥	NU						, obline connection	!				

FIELD ORDER NO			LAST INSPE	CTION 1/1/1801
WELL ID WELL NAME	B2431 699-41-61B	CONST DATE	NORTHING EASTING	
HOST WELL ID		CONST DEPTH	ELEVATION	
	MEASUREMENT INF	ORMATION		
	LAS	T CURRENT	D	
A DEPTH TO WATER(ft)			
DEPTH TO WATER	DATE			-
B DEPTH TO BOTTOM	/(ft)			
DEPTH TO BOTTOM	1 DATE	········ ,		
C STICK UP(ft)				Α
D REFERENCE MARK(ft)			,
REFERENCE MARK	IS TOC YES	NO ✓ ND* YES NO		В
	PERFORATION INFO	DRMATION :	: [[]]	
CASING SIZE TO	DP BOTTOM CUTS/	FT/ROUND	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	r
				\
CHANGES				
			Depth to Bottom	of Well Depth to Bottom of Casing
			A DEPTH TO WATER FROM TOP	_
			B DEPTH TO BOTTOM OF WELL	FROM TOP OF CASING
	CASING INFORM	ATION	C TOP OF CASING TO GROUND D TOP OF CASING TO SURVEY	
SIZE TOP	воттом мл	ATERIAL TYPE	CONNECTION THICK	NESS
CHANGES				
				
	SCREEN INFORM	IATION		
SIZE TOP	воттом мл	ATERIAL TY	PE SLOT S	IZE
s		er e e e e e e e e e e e e e e e e e e		
CHANCES				
CHANGES			<u> </u>	

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2431	699-41-61B	11/04/1994	DECOMMISSIONED		

LAST INSPECTION 1/1/1801 LD ORDER NO B2432 **NORTHING** wELL ID **EASTING** 699-41-61C CONST DATE **WELL NAME ELEVATION HOST WELL ID CONST DEPTH** LAST INSPECTION INFORMATION **CURRENT INSPECTION INFORMATION** WELL PAD WELL PAD _ YES ___ YES NO ✓ ND* NO BRASS SURVEY MARKER BRASS SURVEY MARKER YES NO ✓ ND* YES NO MARKER STAMPED WITH SURVEY DATA MARKER STAMPED WITH SURVEY DATA ₩ ND* YES NO YES NO MARKER STAMPED WITH WELL ID DATA MARKER STAMPED WITH WELL ID DATA ✓ ND* YES NO YE\$ NO WELL LABELED WITH WELL ID IWELL LABELED WITH WELL ID ✓ ND* YES NO YES L. I NO WELL LABELED WITH WELL NAME WELL LABELED WITH WELL NAME ✓ ND* YES YES NO _⊨ NO PROTECTIVE POSTS PROTECTIVE POSTS YES ✓ ND* _ YES NO NO REMOVABLE POST IN PLACE REMOVABLE POST IN PLACE ✓ ND* YES NO YES L! NO WELL LOCK WELL LOCK NO YES NO ✓. ND* YES WELL DAMAGED WELL DAMAGED YES NO ₩ ND* YES NO WELL IS DRY WELL IS DRY ✓ ND* YES NO YES NO PARTED CASING PARTED CASING ✓ ND* YES . NO YES NO BENTONITE IN WELL BENTONITE IN WELL | NO YES ✓ ND* YES NO WELL SANDED IN WELL SANDED IN □ NO YES ✓ ND* YES NO APSED CASING COLLAPSED CASING YES NO ✓ ND* YES NO EQUIPMENT IN WELL **EQUIPMENT IN WELL** E∃ NO. ✓ ND* NO YES YES DEBRIS IN WELL DEBRIS IN WELL ☐ YES ∐ NO ✓ ND* YES NO SURFACE EROSION SURFACE EROSION MAJOR __ NONE MAJOR NONE MINOR MINOR ✓ ND* **CURRENT PUMP INFORMATION** LAST PUMP INFORMATION PUMP ACTIVITY PERFORMED INSTALLED PUMP ACTIVITY PERFORMED INSTALLED ✓ ND* REPLACED REPLACED REMOVED REMOVED PUMP TESTED PUMP TESTED YES ☐ YES I NO ✓ ND* NO **NEW PUMP NEW PUMP** YES □ NO YES NO ✓ ND* ND* ACTIVITY PEFORMED BY **ACTIVITY PEFORMED BY** DATE ACTIVITY PERFORMED DATE ACTIVITY PERFORMED ND* PUMP TYPE PUMP TYPE PUMP MAKE ND* PUMP MAKE ND* PUMP MODEL PUMP MODEL PUMP INTAKE DEPTH (ft) PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING SIZE (in) TUBING MATERIAL ND* TUBING MATERIAL "" 'SING LENGTH (ft) TUBING LENGTH (ft) IND* TUBING CONNECTION . JBING CONNECTION

WELL NAME 699-41-61C CONST DATE EASTING CONST WELL ID CONST DEPTH ELEVATION MEASUREMENT INFORMATION LAST CURRENT D C A DEPTH TO WATER(ft) DEPTH TO WATER DATE	
MEASUREMENT INFORMATION LAST CURRENT D C DEPTH TO WATER (ft)	
A DEPTH TO WATER DATE	·
A DEPTH TO WATER(ft) DEPTH TO WATER DATE	į
DEPTH TO WATER DATE	
DEPTH TO WATER DATE	
B DEPTH TO BOTTOM(ft)	;
DEPTH TO BOTTOM DATE	٠
C STICK UP(ft)	
D REFERENCE MARK(ft)	
REFERENCE MARK IS TOC YES NO ✓ ND* YES NO	
PERFORATION INFORMATION	
CASING SIZE: TOP BOTTOM CUTS/FT/ROUND	
CHANGES Depth to Bottom of Well	
Depth to Bottom of C	asing ,
A DEPTH TO WATER FROM TOP OF CASING	
B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO GROUND SURFACE/PAD	
CASING INFORMATION D TOP OF CASING TO SURVEY REFERENCE MARKER	
SIZE TOP BOTTOM MATERIAL TYPE CONNECTION THICKNESS	
CHANGES	
SCREEN INFORMATION	
SIZE TOP BOTTOM MATERIAL TYPE SLOT SIZE	
CHANGES	

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
B2432	699-41-61C	11/08/1994	DECOMMISSIONED		

LAST INSPECTION ELD ORDER NO 1/1/1801 JyELL ID A8991 NORTHING 147763.27 699-80-39B **CONST DATE EASTING** 578418.39 **WELL NAME HOST WELL ID CONST DEPTH ELEVATION** 124.365 **CURRENT INSPECTION INFORMATION** LAST INSPECTION INFORMATION WELL PAD WELL PAD ___ YES ¥ ND* .i NO __ YES NO BRASS SURVEY MARKER **IBRASS SURVEY MARKER** ✓ ND* YES NO YES NO MARKER STAMPED WITH SURVEY DATA MARKER STAMPED WITH SURVEY DATA ✓ ND* YES YES NO NO MARKER STAMPED WITH WELL ID DATA MARKER STAMPED WITH WELL ID DATA YES NO ✓ ND* YES NO WELL LABELED WITH WELL ID WELL LABELED WITH WELL ID ✓ ND* YES NO YES NO WELL LABELED WITH WELL NAME WELL LABELED WITH WELL NAME ✓ ND* YES NO YES NO PROTECTIVE POSTS PROTECTIVE POSTS ✓ ND* YES NO YES NO REMOVABLE POST IN PLACE REMOVABLE POST IN PLACE YES NO ✓: ND* YES NO WELL LOCK WELL LOCK ✓ ND* YES NO YES NO WELL DAMAGED WELL DAMAGED YES ✓ ND* NO YES NO WELL IS DRY WELL IS DRY ✓ ND* YES NO YES NO PARTED CASING PARTED CASING YES YES NO ✓ ND* NO BENTONITE IN WELL BENTONITE IN WELL YES NO ✓ ND* YES NO WELL SANDED IN WELL SANDED IN ✓ ND* YES NO YES NO COLLAPSED CASING .LAPSED CASING ✓ ND* YES i_ NO YES NO **EQUIPMENT IN WELL** EQUIPMENT IN WELL YES NO ✓ ND* YES NO DEBRIS IN WELL DEBRIS IN WELL ✓ ND* YES NO YES NO SURFACE EROSION SURFACE EROSION NONE MAJOR L NONE MAJOR MINOR MINOR MINOR **CURRENT PUMP INFORMATION** LAST PUMP INFORMATION PUMP ACTIVITY PERFORMED PUMP ACTIVITY PERFORMED INSTALLED **INSTALLED** ✓ ND* REPLACED REPLACED REMOVED REMOVED PUMP TESTED PUMP TESTED ✓ ND* __ YES NO YES NO **INEW PUMP** NEW PUMP YES ✓ ND* YES NO NO **ACTIVITY PEFORMED BY ACTIVITY PEFORMED BY** ND* DATE ACTIVITY PERFORMED DATE ACTIVITY PERFORMED IPUMP TYPE ND* PUMP TYPE PUMP MAKE ND* PUMP MAKE PUMP MODEL ND* PUMP MODEL PUMP INTAKE DEPTH (ft) PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING SIZE (in) TUBING MATERIAL TUBING MATERIAL ND* TUBING LENGTH (ft) " BING LENGTH (ft) JING CONNECTION ND* TUBING CONNECTION

FIELD ORDER NO				LAST INSPECTION	, ,
WELL ID	A8991			NORTHING	147763.27
WELL NAME	699-80-39B		CONST DEPTH	EASTING	578418.39
HOST WELL ID			CONST DEPTH	ELEVATION	124.365
	MEASUREMEN	T INFORMATION		**************************************	
:		LAST	CURRENT	- $	
A DEPTH TO WATER	L(ft)				
DEPTH TO WATER	DATE				
B DEPTH TO BOTTO	M(ft) :53				
DEPTH TO BOTTO	M DATE				_
C'STICK UP(ft)					A
DREFERENCE MARK	(ft)				
REFERENCE MARK	IS TOC YES	NO ✓ ND*	YES I NO		8
			125 111 110		
	PERFORATION	N INFORMATION			
CASING SIZE T	OP BOTTOM	CUTS/FT/ROUND		☐ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	
				!	
CHANGES					
				Depth to Bottom of We	<u> </u>
				A DEPTH TO WATER FROM TOP OF C	to Bottorn of Casing
				B DEPTH TO BOTTOM OF WELL FROM	
	CASING IN	FORMATION		 C TOP OF CASING TO GROUND SURF D TOP OF CASING TO SURVEY REFER 	=
CIZE TOD	POTTOM	MATERIA			
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONNECTION THICKNESS	<u></u>
		·· · · · · · · · · · · · · · · · · · ·		1	
CHANGES					
CHANGES				<u> </u>	
	SCREEN IN	FORMATION			
SIZE TOP	воттом	MATERIAL	· TY	/PE SLOT SIZE	1
	:				
CHANGES					
					
					

WESTINGHOUSE HANFORD COMPANY		EXCAVATION PERMIT					
RD1CA FY95 WELL D		99-49-111, -52-117, -52-118, -54-378, -63-89, -101-48C.					
4. Originated By D.E. SKOGLIE	Dete 10/28/94	5. Engineering Change Notice (ECM) N/A					
6. Drawings Required Ildentification Number N/A	(8)	7. Other Affected Drawings or Documents WELL DECOMMISSIONING PLANNED FOR FIRST QUARTER FISCAL YEAR 1995 BY WHC WELL SERVICES					
DECOMMISSION WELLS PER FITNESS FOR USE CHECKLIST AND WASHINGTON ADMINISTRATIVE CODES (WAC-173-160). WORK WILL BE DOCUMENTED ON FIELD ACTIVITY REPORTS.							
Special Instructions or Comments (Included WORK WILL BE CO)	-	C-CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.					
10. Excevation Requirements Planning Check	list (Check appropriate blocks to deter	mine supplemental approvals)					
Will the excevation work:							
Yes No	ehicle, to or from any area or building:	(If yes, Occupational Health and Safety approval required.) Block 17					
		Frack Maintenance approval required.) Block 18					
<u> </u>	yes, 600 Area Landlord approval requ						
_ —		hing equipment? (If yes, Electrical Utilities approval required.) Block 20					
[X] be within or immediately adjusted the second se	acent to the boundaries of a security l urity approval required.) Block 21	parrier or will uncover a security system for maintenance or modification?					
be performed over, under, o epproval required.) Block 2		lower, or water utility lines? (If yes, Steam/Water Utilities					
be performed in the vicinity	of telecommunication lines? (If yes, If	RM Plant Telephone approval required.) Block 23					
be performed in areas other Planning approval required.)		sites, and those required to remove existing surplus facilities? (If yes, Site					
11. List Facilities, Services, and Utilities affec		SUPPLEMENTAL APPROVALS					
SUBJECT WELLS WILL BE DECO	OMMISSIONED PER WAC	17. Dccupational Health & Safety Date					
00023.		18. Track Maintenance Date					
REQUIRED APPR	iovile.	N/A					
12. Cultural Resources Review (all Packages) HCRC 95 - 600-C	- (2) Date	19. 500 Area Landlord Date					
DE. Stogline in Beth Crist	telecon 13:30	17Nov 94					
13. Occupational Health & Safety (for W.O./P	roject Packages only) Date	20. Electrical Utilities Dare					
N/A		N/A 21. Safeguards and Security Date					
RWP Required Yes No X		N/A					
14. Environmental Assurance (for W.O./Project	4	22. Steam/Water Utilities Date					
15. Cognizant Engineer (for W.D./Project Pack	//-/7-94 (ages only) Date	N/A 23. IRM Plant Telephone (24 hours prior to start) Date					
David & Skoalie	:1/14/84	N/A					
16. Facility/Plant Manager (for W.O./Project P		ر 24, Site Planning گوپ Date					
N/A		DE Skeglie for Ed yancery telecon 14:07 A.7400-373 (06/92)					

Pacific Northwest Laboratories

376-5345

Richland, Washington 99352

Battelle Boulevard P.O. Box 999

Telephone (509)



RECEIVE

Dave Skoglie Westinghouse Hanford Company P. O. Box 1970, MSIN N3-05 Richland, WA 99352

Dear Mr. Skoglie:

November 3, 1994

BIOLOGICAL REVIEW OF THE FY95 DECOMMISSIONING OF 13 WELLS ON THE HANFORD SITE PROJECT, 600 Area, #95-600-006

Project Description:

 decommissioning of 13 wells across the Hanford site. Area of disturbance will be approximately 150 feet by 150 feet (45 m x 45 m) at each well site.

Objectives:

- to identify plant and animal species protected under the Endangered Species Act (ESA), candidates for such protection, and species listed as threatened, endangered, candidate, sensitive, or monitor by the state of Washington, and species protected under the Migratory Bird Treaty Act,
- to evaluate the potential impacts of disturbance on priority habitats and protected plant and animal species identified in the survey.

Methods:

- pedestrian and ocular reconnaissance of the proposed site was conducted by R. Zufelt, and G. Fortner on Nov. 1, 1994.
- the Braun-Blanquet cover-abundance scale (Bonham 1989) was used to determine percent cover of dominant vegetation.

Results and Conclusions:

- no plant and animal species protected under the ESA, candidates for such protection, or species listed by the Washington state government were observed in the vicinity of the proposed sites,
- vegetative habitat at well site 699-49-111 (Enyeart) consists primarily of Russian thistle (Salsola kali) 10% cover, cheatgrass (Bromus tectorum) 5% cover, and whitetop (Cardaria draba) 2% cover in the vicinity,
- vegetative habitat at well site 699-80-39B consists primarily of Russian thistle (Salsola kali) 10% cover, cheatgrass (Bromus tectorum) 5% cover, however, no well was in evidence at this site.
- vegetative habitat at well site 699-54-378 consists primarily of big sagebrush (Artemisia tridentata) 10% cover, cheatgrass (Bromus tectorum) 5% cover, Sandberg's bluegrass (Poa sandbergii) 5% cover, and Russian thistle (Salsola kali) 2% cover in the vicinity,



vegetative habitat at well sites 699-52-117 (Brown) and 699-53-114 (O'Brian) consists primarily of cheatgrass (Bromus tectorum) 15% cover, Russian thistle (Salsola kali) 5% cover, however, the well 699-52-117 (Brown) was not in evidence. There was indication of possible underground pipes leading from this well site into the St. Michelle vineyards,

alups

vegetative habitat at well sites 699-80-43P, 699-80-43Q, and 699-80-43R consists primarily of cheatgrass (*Bromus tectorum*) 25% cover, gray rabbitbrush (*Chrysothamnus nauseosus*) 10% cover, sand dropseed (*Sporobolus cryptandrus*) 10% cover, cheatgrass (*Bromus tectorum*) 5% cover, and Russian thistle (*Salsola kaii*) 2% cover,

- vegetative habitat at well sites 101-48A, 101-48C, consists primarily of cheatgrass (Bromus tectorum) 25% cover, sand dropseed (Sporobolus cryptandrus) 10% cover, and tumble knapweed (Cantaurea diffusa) 5% cover,
- vegetative habitat at well sites 63-89 and 699-53-111A (Ford) consists primarily of cheatgrass (Bromus tectorum) 25% cover, gray rabbitbrush (Chrysothamnus nauseosus) 10% cover, Sandberg's bluegrass (Poa sandbergii) 5% cover, and Russian thistle (Salsola kali) 2% cover,
- well site 699-52-118 (Lemke) was not in evidence. The site for this well would have been inside the St. Michelle vineyards,
- no migratory bird species were observed nesting in the vicinity of the proposed site,
- no adverse impacts to species of concern are expected to occur from the proposed action.

Sincerely,

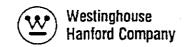
CA Brandt, Ph.D.

Project Manager

Ecological Compliance Assessment

CAB:qlf





P.O. Box 1970 Richland, WA 99352

April 17, 1996

9651783

Mr. S. Leja, Hydrogeologist State of Washington Department of Ecology 1315 West Fourth Avenue Kennewick, Washington 99336

Dear Mr. Leja:

WELL DECOMMISSIONING COMPLETION REPORTS

Enclosed please find the Water Well Reports for the completion of decommissioning of the following wells:

199-F2-1; 199-F2-2; 699-S24-19B; 699-81-47; 699-83-36F; 699-97-47; 699-80-39B; 699-83-36B; 699-83-36C; 699-83-36D; 699-83-36E; 699-83-36; 699-50-28D; 699-84-61B; 699-96-52; 699-54-18E; 199-84-2; 199-84-3; 699-18-92-01 through 699-18-92-24; 699-80-62; 699-97-51B; 199-K-25; 699-49-12A; 699-49-12B; 699-43-41C; 699-43-42D; 699-43-42H; 699-43-42C; 699-43-42C; 699-43-42E; 699-43-42E; 699-43-42B.

Included in this documentation package is the final as-built with a description of the decommissioning process.

Should you have any questions, please contact Mr. D. E. Skoglie of my staff at (509) 373-7496.

Very truly yours,

MG Gara

M. G. Gardner, Manager Well Services Hanford Technical Services

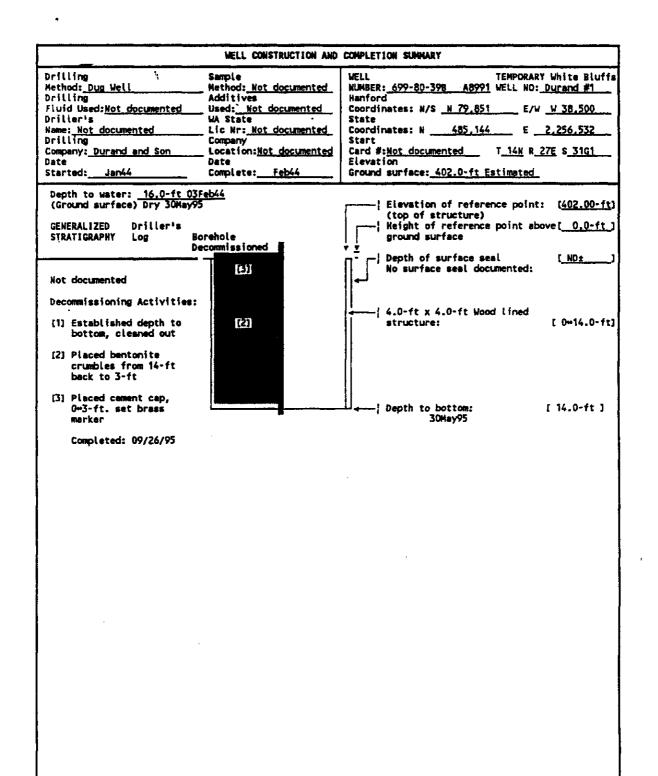
daf

Attachment

BHI - A. J. Knepp (w/o attachment)

PNL - S. P. Luttrell (w/o attachment)

D



Drawing By: TJW/6N80W39B.ASB

Date : 06Mar96
Reference : HANFORD WELLS

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-80-39B

WELL DESIGNATION :
RCRA FACILITY :
CERCLA UNIT :
HANFORD COORDINATES :
LAMBERT COORDINATES :

699-80-39B
Not applicable
Not applicable
N 79 851 W 38,500 [HANFORD WELLS]
N 485,144 E 2,256,532 [HANCONV]

DATE DRILLED DEPTH DRILLED Feb44 16.0-ft+

16.0-ft+
14.0-ft
16.0-ft, 03Feb44, Dry 3DMay95
4.0-ft x 4.0-ft wood structure
402.00-ft [HANFORD WELLS]
402.0-ft, Estimated
Not documented MEASURED DEPTH (GS) : DEPTH TO WATER (GS) : CASING DIAMETER ELEV TOP CASING

ELEV GROUND SURFACE : PERFORATED INTERVAL :

SCREENED INTERVAL

COMMENTS

Not applicable FIELD INSPECTION, 30May95 4.0-ft x 4.0-ft wood lined structure, open at top, no posts, no permenant identification. Extreme safety hazard OTHER: Borehole Decommissioned by WHC Well Services: 09/26/95

Driller AVAILABLE LOGS Not applicable TV SCAN COMMENTS DATE EVALUATED Not applicable EVAL RECOMMENDATION : Decommission

Probable water supply well LISTED USE

CURRENT USER None documented

None

PUMP TYPE MAINTENANCE Borehole Decommissioned





5' Screen

10' Screen

20' Screen

Centralizers

End Plug

Slip Caps

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

44846 OTAT

Staco Job #	C110		Day of Week		-	Date Carc	سر.
Drilling Company	945		Consulting Firm ;	esdag - 495	 	l フスゟ・/	
	5/600		County Paris	<u> 795</u>		699-80-39 8	Rig # 6/
	00 Grea		County Sen &	50		State Wa.	
From	То						
06:00	06:30	Se	Fely meeting -	Employ	ee Sof	er responsibilit	ies.
06:30		20	ive to site	site és	54 75 M	ent NaTalie C	"coloreT
	08:30		on sile to a	ocument	and	shoto well.	
08:30		12/1			,	10m 14' 40 To	3' from ec
	10:15		well meas			/	-
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10:15	 	-3e/	,			16 4 % bentonit	,
		 			eishi i	hecked with	much scale
<u> </u>	11:00		14.1 165/501			·	<u> </u>
11:00	12:00		L /	,		1 rile. Set big	
12:00		/2 <u>r</u>	ive To well	A 699-9	77-47	and unload eq	zupment
<u>-</u>	13:15		and remainin	c maler	10/20		
MATE	RIALS RECORD	<u>,, ,, ,, , , , , , , , , , , , , , , ,</u>	Locking Caps			TIME REC	ORD
MATE Cement	RIALS RECORD		Locking Caps Bullards			TIME REC	ORD
Cement	20 Regs			diam.	quan.		
Cement Pure Gold	RIALS RECORD		Bullards			Rigtime /O	level
Cement Pure Gold Hole Plug	20 Regs	2/6/:	Bullards Protective Cover	diam.	quan.	Rigtime / O Drilling	level ievel
Cement Pure Gold Hole Plug	20 Regs	2/6./ing	Bullards Protective Cover Flush Mount	diam. diam.	quan. quan.	Rigtime / O Drilling Completion	ievel
Cement Pure Gold Hole Plug Bentonite Powder	20 Regs	216.12g	Bullards Protective Cover Flush Mount Temp Casing	diam. diam. diam.	quan. quan. feet	Rigtime / O Drilling Completion Decon	level level level
Cement Pure Gold Hole Plug Bentonite Powder Crumbles	20 Regs	The line	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing	diam. diam. diam. diam.	quan. quan. feet	Rigtime / O Dritting Completion Decon Moving	level level level level
Cement Pure Gold Hole Plug Bentonite Powder Crumbles Sand	20 Regs	Olfa (ing.	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development	level level level level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets	20 Regs		Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad	diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Dritting Completion Decon Moving Development Site Prep	level level level level level
Cement Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix	20 Regs		Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples	level level level level level level level level
Cement Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix D.O.T. Drums	20 Regs		Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs.	level ievel level level level level level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Peliets RediMix D.O.T. Drums	20 Begs / - 120		Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME Decon Equip.	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples	level level level level level level level level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix	20 Begs / - 120	sch.	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME Decon Equip. Generator Compressor Water Truck	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples Pump Hoist Crane Truck Abandonment	level level level level level level level level level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix D.O.T. Drums P.V.C. Well	20 / Regs / - 120	sch.	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME Decon Equip. Generator Compressor Water Truck Vac. Truck	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples Pump Hoist Crane Truck Abandonment Down Hole Casing Cut	level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix D.O.T. Drums P.V.C. Well S.S. Well	20 / Regs / - 120	sch.	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME Decon Equip. Generator Compressor Water Truck	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples Pump Hoist Crane Truck Abandonment Down Hole Casing Cut Extra man hours	level
Cernent Pure Gold Hole Plug Bentonite Powder Crumbles Sand Pellets RediMix D.O.T. Drums P.V.C. Well S.S. Well 2.5' Blank	20 / Regs / - 120	sch.	Bullards Protective Cover Flush Mount Temp Casing Threaded Casing Drive Shoe Perm Casing 4 x 4 Concrete Pad EQUIPME Decon Equip. Generator Compressor Water Truck Vac. Truck	diam. diam. diam. diam. diam. diam.	quan. quan. feet feet feet	Rigtime / O Drilling Completion Decon Moving Development Site Prep Standby 1st 2 hrs. Standby after 2 hrs. Samples Pump Hoist Crane Truck Abandonment Down Hole Casing Cut	level

Cuttings Tank

Sub. Test Pump

OTHER

Pase 1 of2

Speaker

Total Hours

10

Driller

Assistants

Consultant

Shift Start

Shift End

WELL STEWNSES - NON-RECORD COPY Nº.//0/0

		MONATIFOR	
Staco Job #	945	Day of Week Tues day	Date 9-26-95
Drilling Com	pany 5/6co	Consulting Firm F4 95	Well # 1899/ Rig# 6/
Site	600 Grec	1 Accounts	State Wa
From	То		
1375		Drive to pipe word un	lood emply has and pollers.
		land materiale for	ell 6-97.47 Return to well
	1600	Sile Secure	/
	7.800	1	
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NON-RECORD COPY

WELL REME	Page _1_ of 1			
Date Well No. Rig 09/26/95 699-80-39B Rig	Type/Model Rig No. #61	Contract/Work Order MBGSWV3727	No. Start Card No. 3207	Report No. 4 A8991-01
Purpose Decommissioning of well-Incap with cement and instal	l brass locator p	in.	nce -N/A -N/A	Location 600 Area N/A
Hole Size	N/A	Set At 14.00′ N/A	Personnel Operator McC Print & Sign Name T. McCoy/ & Other:	
Start Time	Materials Used 151-sacks crus 20-94.6 lb. se 100 lbs. bente	mbles acks cement onite		-
	Description of Op	Perations/Remarks	<u> </u>	
employee safety responsibe 0630-0830: Mobilized to cistern with photographs.	ulitieswellsite. N. Cad	oret-Tech Spec	-N/Aialist PNL on	site to document
0830-1015: Filled the wa 1015-1100: Set up grout: tained 4% powdered benton:	ooden cistern with	bentonite crus	mbles to 3.00 cement grout.	The grout con-
1100-1200: Cleaned site. 1200-1315: Mobilized to 1315-1600: Drove to State	tools and grouti well #699-97-47.	ng equipment. Unloaded equi	Installed br	ass locator pin.
pallets Loaded material	s for next well.	Returned to we	ll and secure	d site
	N	/A		
	b	/A		
		/A		
	· · · · · · · · · · · · · · · · · · ·	/A		43
	N	/A		
Report By M.W Walkup Title Field Team Leader Signature	Latte		E. SKOGLIE LING Engine Duid C. Skop	en Date 09/29/95

WHC-SD-EN-AP-161, Rev 0, Appendix F

Γ	RESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-80-39 B
	STRUCTURE FITNESS FOR USE CHECKLIST	Page 1 of 2
<u> </u>		Page 1 Gt 2
2.	Has a need for use of the well been identified and documented?	1
	No No potential user identified	
3.	is well presently in use?	
	No 1 No use identified	
4.	is casing sealed in accordance with IAW WAC 173-160-075?	
ļ	(No) No documented annular seal	
	4a. Natural barriera preserved?	
	No Well terminates within upper sediments	
	4b. Aquifer/strata pentrated permanently scaled?	
	No 1 No seals documented	
	4c. Annulus sealed against surface water?	
	No No surface seal documented	
	4d. Casing overlap more than 8 ft; pecked and grouted? [N/A Not applicable	
_		
ъ.	If not in use, is well capped IAW WAC 173-180-086?	
_	[No] Open top pit	
6.	[No] No annularseal	
	Ba. Saturated formation/aquifers not connected?	
	[N/A] Not applicable	<u> </u>
	6b. Cuttings/development water handled IAW WAC 173-3037	
	[N/A ; Not applicable	
	6c. Well properly indentified?	
	No No permanent identification	İ
,	Is surface protection IAW WAC 173-160-510?	
' .	No No surfaceseal documented	l l
	7a. Well capped and protected?	
	No 1 Open at top	ļ
	7b. Protective poets, surface pad or cover installed?	
	[No] No posts or pad	j
	7n. Surface protection waived or variance obtained?	
	1 N/A) Not applicable	1
	7d. Is existing surface protection damaged?	
	N/A Not applicable	1
8.	Are casing materials IAW 173-160-5207	
	N/A Not applicable	ì
9.	Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?	
	N/A Not applicable	j
	9a. Drill rig/equipment casing/screen cleaned?	
	(N/A) Not applicable	
	9b. Filter pack cleaned? Material compatible?	
	N/A Not applicable	j
RCR	A/CERCLA MONITORING WELL?	
10.	Dose water sample from vertical screened interval represent horizontal	· · · · · · · · · · · · · · · · · · ·
	stratigraphy?	j
	I N/A I Not applicable	
	10a. Screened interval documented?	İ
	[N/A] Not applicable	
	10b. Vertical lithology documented?	
	No 1 Not Documented	



ECN-611433

WHC-SD-EN-AP-161, Rev 0, Appendix F

RESOURCE PROTECTION GROUP STRUCTURE FITNESS FOR US	1. Well No. 699-80-39 B	
11, is design and construction IAW WAC 173-180-540?		
N/A Not applicable		
11a. Screen commercially fabricated of material nonreacth [N/A] Not applicable	re to subsurface conditions?	
11b. If filter pack installed, extends from bottom of screen	to at least 3 ft above screen.	
(N/A) Not applicable		
/ N/A Not applicable		
11d. Annulus grouted with bentonits or bentonits/cament	mixture.	
N/A Not applicable		
12. Dose water sample meet established acceptance criteria? Sample is less than 5 NTU and sand free. [N/A] Not applicable		
13. Date Sources Used:		
Logs: Driller's:	Date:	Company:
Geologist:	_	Company:
Geophysical:		
Television:		Company:
Publications: Title, Author, Date		
HANFORD WELLS, M. A. Chamness an	d J. K. Merz. August	1993
THAT OLD BEEGG THE TO THE STREET		
Databases:		
WHC Well Services	05/20/0	E LIUC
Field Check: Well Services	Date: 05/30/9	5 Company: WIIC
Other:		
14. Comments: Identify evaluation criteria addressed by numb	er:	
		-
AE Stabus		
15. Status Well is acceptable for intended use	No Well lacks	seals
Well is acceptable for intended use if variance is granted	N/A Not appli	
· · · · · · · · · · · · · · · · · · ·	No Not applica	
Rehabilitation required to continue intended use		identified user
Remediation required to achieve intended use		o identified need
Decommission, well is unneeded or cannot be remediated	(Tes) Well has h	V Identified fleed
Other Extreme safety hazard	- ()	
16. Status Recommendation Done By: Name: T. J. Wood	πω: <u>Senior Engineer</u>	Date: 06/30/95



KAISER EN	SURV	EY DATA REPORT		Request No. 951-077		
Project/W.O. No. Title WELL DECOMMISSION		SURVEY	<u> </u>		File No. 699-NSW	
KEH Job No. E64649	N.P. Fastabend		Date 01/11/	95	Reviewer USM	1
DESCRIPTION OF WORK			ACCEPTABILITY (Within Plan Tolerance)		DISTRIBUTION	
Stake position of wells #699-80-39B 699-52-117 from given coordinates. Horizontal Datum: Plant Grid (feet			Yes No NA TBD by Requestor	[] [x] []	Survey File Field Project File D.E. Skoglie	OR

SURVEY RESULTS AND COMMENTS

AR991 699-80-398

Set hub and lath marked with well no. and coordinated N79,801, W38,544

48846 699-52-117 (Brown)

Given coordinate position (N52,000; W117,000) falls approx. 100 ft. inside vineyard property west of Brown farmhouse site.

Set two Hub & Lath at old brown farmhouse site marked with coordinates for reference. N52,000; W116,600 and N52,000; W116,700.



GROUNDWATER WELL RI DECOMMISSIONING C			Page 1 of 2
Project No.:	Task No.:	Well No.:	A899)
FY95 WELL DECOMMISSIONING	RDICA		80-39B
WORK PLANNING/INITIATION: Remediate	□ Decommission	Completion Date or NR	Attachment Number or NA
Evaluation Checklist Approved:			
WHC-CM-7-7, Ell 6.6, "Resource Protection Well Cha Evaluation"	aracterization and	09/19/95	ECN # 611438
Engineering Specification Issued:		11/22/2014	WHC-SD-EN
WHC-CM-6-1, EP-1.2, "Engineering Specifications"		11/23/94	AP-12Z
Letter of Instruction Issued:			
Ell 1.15, "Preparation of SOW/LOI"	· · · · · · · · · · · · · · · · · · ·	09/07/93	W 372778
Authorization Work Order Issued:		/ 0	/.
WHC-CM-2-5, Section 2.5, "External Work Orders"	_	NR	√A
Job Safety Analysis Completed:			4
WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"		11/15/94	08294
Hazardous Waste Operations Permit Issued:			,
WHC-CM-7-7, Ell 2.1, "Preparation of Hazardous War Permits"	ste Operations	NR	NA
Cultural Resources Review Completed/Variance Obtain	ed:	09/20/95	95-600-017
WHC-CM-7-5, 12.3, "Historical and Archaeological S.	ite Preservation"	04/20/43	43-600-011
Endangered Species Review Completed/Variance Obtain	ned:	/ - / -	95-600-046
WHC-CM-7-5, 12.4, "Plant and Wildlife Species on the	ne Hanford Site"	07/19/95	95-600-046
Excavation Permit Obtained:		09/19/95	600-95-035
WHC-CM-8-7, Section 503.1, "Excavation Permits"		04/4/42	1600-42-055
Radiation Work Permit Obtained:		/2	//
WHC-CM-4-10, Section 8.0, "Radiation Work Require	ements and Permits"	$\mathcal{N}_{\mathcal{R}}$	NA
ALARA Worksheet Completed		1.	/.
WHC-CM-4-11, "ALARA Program Manual"		NR	NA
Start Card Transmitted:	· · · · · · · · · · · · · · · · · · ·	7/0-	4 4 - 3
WAC 173-160-055, "Well Construction Notification"	(Start Card)	7/95	A 32073
Work Schedule Completed:			
Project management software or equivalent		04/95	DEA-
Retired Area Entry Permit Obtained:		. / 0	NA
WHC-CM-4-3, Standard G-10, "Retired Hanford Facili	ties"	NR	~~
Training Requirements Completed:		. (
WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry R	lequirements"	04/95	DES
Comments:			

- STACD CONTRACT: W372778

APPROVALS: (Print/sign name and date)

D.E. SKo GLie | David Skoplie 09/20/95

Field Team Leader/Drilling Engineer Date

A-6000-472 (02/93)

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST					
Project No.: - Task No.: FY 95 WELL DECOMMISSIONING RDICA	Well No.:	80-39B			
WORK PERFORMANCE/EVALUATION	Completion Date or NR	Attachment Number or NA			
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drilling, Well Developmen and Sampling Equipment"	Preiob UR	NA			
Material Verifications Completed: Applicable Engineering Specification, No. A Rev. A Liner Casing and Centralizers as Specified Cement Grout as Specified Appropriate Well Cap as Specified Air-Entrained Concrete for Pad as Specified Material Packaged and Stored as Specified	NR 09/21/95 NR NR	NA A899/-01 NA NA			
Lubricants and Drilling Aids as Specified Perforations Completed as Specified: Applicable Engineering Specification	NR	NA			
Liner and Grout Installed as Specified: Applicable Engineering Specification	NR	NA			
Pad/Posthole Excavation Completed: Applicable Engineering Specification	NR	NA			
Concrete Pad, Reinforcing Material, and Inset Marker Cap Installed as Specified: Applicable Engineering Specification	NR	NA			
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification	NR	N4			
Guard Posts/Metal Sleeve Installed as Specified: Applicable Engineering Specification	NR	N4			
Well Identification Stamped and Correct: Applicable Engineering Specification	09/26/95	48991-01			
Well Reports Complete and Submitted to State: WAC 173-160-050, "Records"	04/17/96	965/783			
Survey Complete, Survey Report Received and as Specified: Applicable Engineering Specification	NR	NA			
Site Restored: Applicable Engineering Specification	08/26/95	A8991-01			
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Nonhazardous Solid Waste Disposal:	NR	NA			
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commitment Control:	04/17/96	9651783			
Comments: NA		\			
and the state of 	والهاب والمتعاشق المتعالمة المتعالمة المتعالمة المتعالمة				

APPROVALS: (Print/sign name and date)

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DE SKOGLIE David Maske 09/17/96

A-8000-472 (02/93)

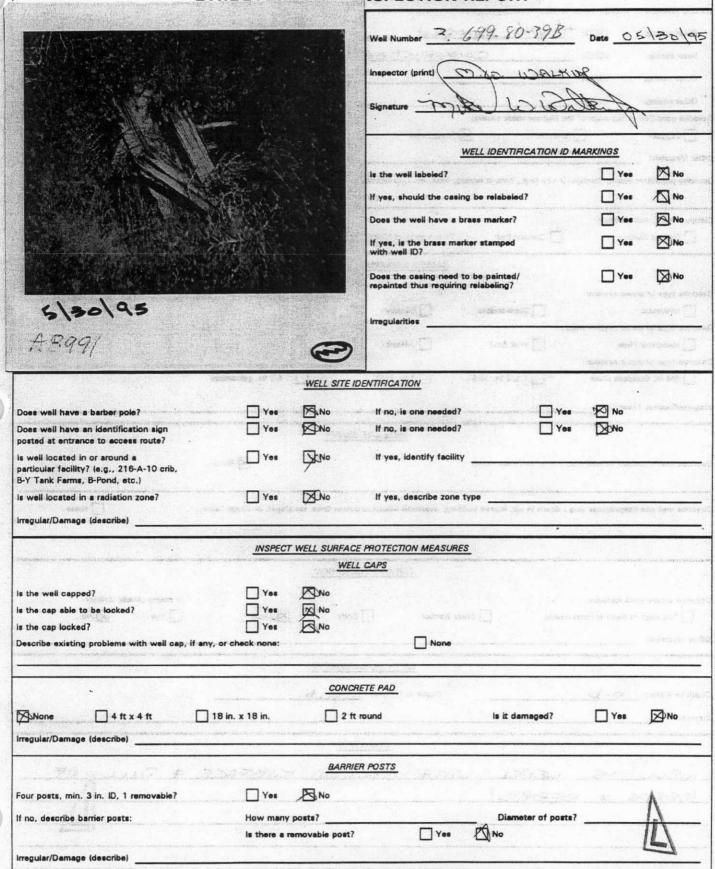
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File Original and First Copy with

WATER WELL REPORT

Second Copy Owner's Copy		VASHINGTON WASHINGTON AT A	
Third Copy Driller's Copy		Water Right Permit No. N/A	
(1) OWNER: Name U.S. Department (of Energy A	Richland, Washington 99352	
(2) LOCATION OF WELL: County Benton		NE 14 SW 14 Sec 31 T 1	4N N. R 27F W.
(2a) STREET ADDRESS OF WELL (or nearest address)	7.		
(3) PROPOSED USE: X Domestic Industri.	al [] Municipal []	(10) WELL LOG or ABANDONMENT PROCEDURE D	ESCRIPTION
☐ Irrigation Test Wa		Formation: Describe by color, character, size of material and structure, and	show thickness of squiters
		and the kind and nature of the material in each stratum penetrated, with change of information.	at least one entry for each
Abandoned (X New well (Method: I	99-80-39B Dug [] Sored []	MATERIAL	FROM TO
Deepened 🗀 Ci	able Driven kary Jetted	Reference attached as-built	
(5) DIMENSIONS: Diameter of well 48.0 Dritted 14.0 feet. Depth of completed well	Inches.	Reference Meeting Minutes	
Drilled 14.0 feet. Depth of completed well	14.00 n.	Reference Meeting Minutes 05/30 - 31/95 regarding.	
(6) CONSTRUCTION DETAILS:		WELL DECOMMISSIONING	-
,	h. 10 h.	DISCUSSIONS.	}
	tt. tott.	RE: CISTERNS AND B4 WELLS (Rev. 1)	
Threaded Diam. from	ft. toft.	(Rev. 1)	
Perforations: Yes No X	·····	Well was wood lined.	
Type of perforator used		Hell was wood lined.	
SIZE of perforations in. by	in.		
perforations from	ft. toft.		
perforations from	ft. toft.		
perforations from	ft. toft.		
Screens: Yes No 🗓			/
Manufacturer's Name			
Туре			
Diam. Slot size from from			
Diam. Slot size from	ft. toft.		
Gravel packed: Yes No No Size of gra-	vel		
Gravel placed fromft. to	t.	M-	
Surface seal: Yes No V To what depth	h? ft.		
Material used in seel			<u> </u>
Did any strata contain unusable water? Yes 🔲 N	lo 🔲		
Type of water?	Depth of strata		 -
Method of seeling strata off			
61 BUILD			
(7) PUMP: Manufacturer's Name	H.P.		
		Work Started <u>09/26/95</u> , 19. Completed <u>09/2</u>	6/95, 10 <u>95</u>
above mean see level	<u> </u>	work started <u>U3720730</u> , 19. Completed <u>U372</u>	<u> </u>
Static level 91. below top: Artesian pressure 16.0 lbs. per equar	re inch Date 02/44	WELL CONSTRUCTOR CERTIFICATION:	
Artesian water is controlled by		constructed and/or accept responsibility for construction	n of this well, and its
(Cap, valve, etc.)	compliance with all Washington well construction standard	is, Materials used and
(9) WELL TESTS: Drawdown is amount water level is in	owered below static level	the information reported above are true to my best knowled	
• •	by whom?	NAME Westinghouse Hanford Company	
Yield:gat./min. withft. dra	nvdown after hrs.	(PERSON, PINK, OR CORPORATION) (TYPE OF	4 PRINT)
* * * * * * * * * * * * * * * * * * * *	<u>" / " " </u>	Address P.O. Box 1970, Richland, W.	<u> 99352</u>
** ***********************************	<u>"</u>	(Signed) Lavid & Sho glie Licen	se No. 1580
Recovery data (time taken as zero when pump turned all) top to water level)	•	(WELL DAILLEN)	\
Time Water Level Time Water Level	Time Water Level	Contractor's	.\
		Registration No. N/A Date 04///	1996
	·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Date of test		USE ADDITIONAL SHEETS IF NECESS	יו רומי <i>י</i>
Saller testgal./min. withft. dra	wdown after hrs.	Espiratuis on Espiral Companyates and Affirmation Andi-	
Airtestgal./min, with stem set at	tt. for hrs.	Ecology is an Equal Opportunity and Affirmative Action clai accommodation needs, contact the Water Resource	employer, For spe-
Artesian flowg.p.m. Dat	10 No C	407-6600. The TDD number is (206) 407-6006.	and the second s

RESOURCE PROTECTION WELL STRUCTURE FIELD INSPECTION REPORT



<u> </u>			0.500.0 0.070.0	MATCH.	·	
		CASING DIAMETERS.	<u>CASING INFOR</u> : OUTER (SURFACE), INI		ECORD IN INCHE	5 5
i indicate diameter of ca	ssing. Descrit	pe type of casing (e.g., car				
Outer casing:	OD/ID: 🛬	Y' XH' WED	OEN	Туре		
Inner casing:	OD/ID: _	Cor	OSTRUCTION	Туре		
Other casing:	00/ID:			Туре		
Other casing:				Туре		
Describe condition of t	·	e highest most desing: Uneven	Fairly Level	Taveled		
Other (describe)						
Describe protective can	zing damage,	if any le.g., hole in casing	, bent, etc.), or check no	H10:	None	
Distance from: (check		Cement Pad	To top edge of highest n	nost casing		
			SAMPLING EQUIPMEN	T INSTALLATION		
Describe type of pump	system:					
Hydroster		Submersible	☐ Bledder	None		
Describe type of pump		ort:	☐ J-Hook	Steel	Cable	Pitiess Adapter
Describe type of pump			_			_ ,
3/4 in. Steinler	ss St ool	1 1/2 in. ABS	1 In. PVC	1 1/2	in. galvanized	
jular/Damage (desc	oribe)					
			WELL SITE S	BAFETY		
Describe debris presen	nt at well site,	if any, or check none:			⊠ None	
Describe well site irreg	julerities (e.g.	, down in pit, locked buildi	ing, overhead electrical p	ower lines, on slope),	, or check none:	None
						
			SURVEY INFOR	RMATION		
Describe survey mark	location:					is stamp clearly visible?
Top edge of hi	ighest most c	asing Brass	Marker E	loth 🔼 Ni	one	Yes 🔀 No
Other (describe)						
			DEPTH MEASU	REMENTS		
Depth to Water:	21 - D.		Depth to Battom:	1.6.		
Comments:						
	 -		COMME	VTS		
105.2	15	LEDEL W	121 CBO	1120 <u< td=""><td>85W5</td><td>9 Fure 05</td></u<>	85W5	9 Fure 05
DERDS						
						A-8000-4998 (04/94)

WHC-SD-EN-AP-161, Rev 0, Appendix F

	RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST	1. Well No. 699-80-39 B
<u> </u>	STRUCTURE PITTIESS FOR USE CHECKEIST	Page 1 of 2
2.	Has a need for use of the well been identified and documented?	
	No No potential user identified	
3.	is well presently in use?	·
	No 1 No use identified	
4.	is casing sealed in accordance with IAW WAC 173-160-075?	
	No No documented annular seal	
	4a. Natural barriers preserved?	
i	[No] Well terminates within upper sediments	
	4b. Aquifer/strata pentrated permanently sealed?	
	No No seals documented	
	4c. Annulus seeled against surface water?	j
	(No) No surface seal documented	
İ	4d. Casing overlap more than 8 ft; packed and grouted?	ļ
	[N/A Not applicable	
5.	If not in use, is well capped IAW WAC 173-150-0867	}
	No Open top pit	
6.	te design and construction IAW WAC 173-160-500? No No annularseal	}
	· · · · · · · · · · · · · · · · · · ·	
	6a. Saturated formation/aquifers not connected?	}
	1 N/A 1 Not applicable 6b. Cuttings/development water handled IAW WAC 173-3037	
	N/A Not applicable	
	6c. Well properly indentified?	·
	[No] No permanent identification	
7.		
' '	No No surfaceseal documented	
	7a. Well capped and protected?	
	No Open at top	
	7b. Protective poets, surface pad or cover installed?	
	[No] No posts or pad	
	7c. Surface protection waived or variance obtained?	
	N/A Not applicable	
	7d. Is existing surface protection damaged?	
	I N/A I Not applicable	
8.	Are casing materials IAW 173-160-520?	
	I N/A I Not applicable	
9.	Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?	
	N/A Not applicable	
	9s. Drill rig/equipment casing/screen cleaned?	
	(N/A Not applicable	
	9b. Filter pack cleaned? Material compatible?	
	N/A 1 Not applicable	
	A/CERCLA MONITORING WELL?	
10.	Does water sample from vertical screened interval represent horizontal stratigraphy?	
	N/A 1 Not applicable	
	10a. Screened interval documented?	
	[N/A Not applicable	
	10b, Vertical lithology documented?	-
	[No] Not Documented	



WHC-SD-EN-AP-161, Rev 0, Appendix F

ı	RESOURCE PROTECTION GROUNDWATER WELL STRUCTURE FITNESS FOR USE CHECKLIST			699-80-39 B
11.	is design and construction IAW WAC 173-180-540?		 	
	I N/A Not applicable			
	11a. Screen commercially febricated of material nonreactive to subsurface condit	ions?		
	N/A Not applicable 11b. If filter each installed, extends from bottom of some to at least 3 ft above			
	(N/A) Not applicable	ecteen.		
	11c, Well has been developed.		*,	
	N/A 1 Not applicable		<u> </u>	
	11d. Annulus grouted with bentonits or bentonits/coment mixture.			
12	I N/A I Not applicable Does water sample meet established acceptance criterie?			
, _,	Sample is less than 5 NTU and sand free. 1 N/A 1 Not applicable		——————————————————————————————————————	
13,	Date Sources Used: Local			
	Driller's: Date:			
	Geophysical: Date: Television: Date:			
	Publications: Title, Author, Date			
	HANFORD WELLS, M. A. Chamness and J. K. Merz.	August 1	993	
				
	Databases: WHC Well Services			
	Field Check: Well Services Date	05/30/95	Company:	WHC
	Other:		•	
				
14.	Comments: Identify evaluation criteria addressed by number:			
				- <u></u>
				
		<u></u>		
				·
				
16.	Status No. No. No.	1 1aaka a		
	M/A M	<u>l lacks se</u> ot applica		
	No. No.	applicable		
	Remadiation required to continue intended use [NO] NO We1			ied user
	Decommission, well is unneeded or gannot be remediated [YeS] We			fied need
	Other Extreme safety hazard			
1	Status Recommendation_ } Hood - Sonjar	Fngineer	Dan	06/30/95
	Done By: Name: 1. J. WOOD Title: 3811101	rud illeei	Date:	44144144



A8996 699-80-62

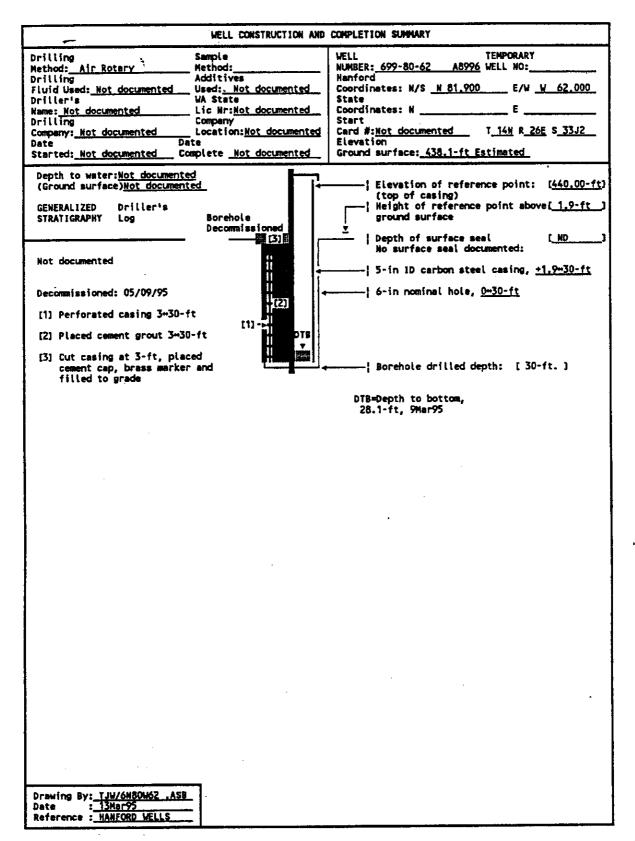
WELL ATTRIBUTES REPORT

MARKER STAMPED WITH WELL TO ATTAIN WELL PARID WITH WELL TO ATTAIN WELL PARID WITH WELL TO ATTAIN WELL PARID WITH WELL TO ATTAIN WELL PARID WITH WELL TO ATTAIN WELL PARID WITH WELL TO ATTAIN WELL ABBLED WITH WELL TO ATTAIN WELL A	'ELD ORDER NO	A 900C						LAST INSPECTION NORTHING		
LAST INSPECTION INFORMATION	WELL ID	A8996 699-80-62		_	r	ONST	DATE			
VELL PAD		033-00-02								
VELL PAD										
BRASS SURVEY MARKER	ļ	AST INSPECTION	INFOR	MATI	ON			NUTTI DAD	ORMATIO	N
MARKER STAMPED WITH SURVEY DATA				YES		NO			YES	NO
MARKER STAMPED WITH WELL ID DATA	·			YES	_=_	NO				NO
YES				YES		NO	✓ ND*		YES	NO
WELL LABELED WITH WELL NAME	MARKER STAMPED WI	TH WELL ID DATA		YES		NO	✓ ND*		YES	NO
PROTECTIVE POSTS	WELL LABELED WITH	WELL ID		YES		NO	✓ ND*		YES	□ NO
REMOVABLE POST IN PLACE	WELL LABELED WITH	WELL NAME		YES		NO	✓ ND*	and the same of th	∟ YES	□ NO
WELL LOCK	PROTECTIVE POSTS			YES		NO	✓ ND*	PROTECTIVE POSTS	YES	NO
YES	REMOVABLE POST IN	PLACE		YES		NO	✓ ND*	REMOVABLE POST IN PLACE	YES	NO
WELL IS DRY	WELL LOCK			YES	[NO	✓ ND*	WELL LOCK	YES	NO
PARTED CASING YES NO ✓ ND* PARTED CASING YES NO BENTONITE IN WELL YES NO ✓ ND* BENTONITE IN WELL YES NO WELL SANDED IN YES NO ✓ ND* WELL SANDED IN YES NO WELL SANDED IN YES NO ✓ ND* WELL SANDED IN YES NO LAPSED CASING YES NO ✓ ND* COLLAPSED CASING YES NO EQUIPMENT IN WELL YES NO ✓ ND* COLLAPSED CASING YES NO EQUIPMENT IN WELL YES NO ✓ ND* COLLAPSED CASING YES NO DEBRIS IN WELL YES NO ✓ ND* DEBRIS IN WELL YES NO SURFACE EROSION MAJOR NONE DEBRIS IN WELL YES NO SURFACE EROSION MAJOR NONE CURRENT PUMP INFORMATION MAJOR NONE PUMP PERFORMED INSTALLED NO NO NO NO NO	WELL DAMAGED			YES		NO	✓ ND*	WELL DAMAGED	YES	□ NO
BENTONITE IN WELL YES NO NO NON WELL SANDED IN YES NO NO NON WELL SANDED IN YES NO NON LAPSED CASING YES NO NON LAPSED CASING YES NO NON EQUIPMENT IN WELL YES NO NON EQUIPMENT IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO NON DEBRIS IN WELL YES NO DEB	WELL IS DRY			YES		NO	✓ ND*	WELL IS DRY	YES	NO
WELL SANDED IN	PARTED CASING			YES		NO	✓ ND*	PARTED CASING	YES	□ NO
LAPSED CASING	BENTONITE IN WELL		: ::	YES		NO	✓ ND*	BENTONITE IN WELL	YES	NO
EQUIPMENT IN WELL YES NO NONE DEBRIS IN WELL YES NO NONE SURFACE EROSION MAJOR NONE MINOR NONE MINOR NONE SURFACE EROSION LAST PUMP INFORMATION PUMP ACTIVITY PERFORMED REPLACED REMOVED PUMP TESTED NO NONE NEW PUMP PUMP TESTED NO NONE NEW PUMP ACTIVITY PEFFORMED YES NO NONE NEW PUMP ACTIVITY PEFFORMED PUMP INFORMATION PUMP TESTED NO NONE NEW PUMP ACTIVITY PEFFORMED PUMP NOTE ACTIVITY PEFFORMED PUMP NOTE ACTIVITY PEFFORMED PUMP NONE PUMP TYPE PUMP MAKE NO* PUMP MAKE ND* TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft)	WELL SANDED IN			YES		NO	✓ ND*	WELL SANDED IN	YES	NO
EQUIPMENT IN WELL YES NO V ND* EQUIPMENT IN WELL YES NO DEBRIS IN WELL YES NO DEBRIS IN WELL YES NO SURFACE EROSION MAJOR NONE MINOR NINOR LAST PUMP INFORMATION CURRENT PUMP INFORMATION PUMP ACTIVITY PERFORMED INSTALLED REMOVED REMOVED REMOVED PUMP TESTED YES NO V ND* NEW PUMP ACTIVITY PEFFORMED YES NO V ND* NEW PUMP ACTIVITY PEFFORMED BY ND* DATE ACTIVITY PERFORMED ND* PUMP TYPE PUMP TYPE PUMP MAKE ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL ND* TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft)	LAPSED CASING			YES		NO	✓ ND*	COLLAPSED CASING	YES	NO
DEBRIS IN WELL YES NO V ND* DEBRIS IN WELL YES NO SURFACE EROSION MAJOR NONE MINOR NONE MINOR NONE MINOR CURRENT PUMP INFORMATION LAST PUMP INFORMATION PUMP ACTIVITY PERFORMED REPLACED REMOVED PUMP TESTED YES NO NEW PUMP YES NO NEW PUMP ACTIVITY PEFFORMED PYES NO ACTIVITY PEFFORMED PYES NO ACTIVITY PEFFORMED PYES NO DATE ACTIVITY PEFFORMED PUMP TYPE ND* PUMP MAKE ND* PUMP MAKE ND* PUMP MODEL ND* PUMP MODEL ND* PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft)	EQUIPMENT IN WELL			YES		NO			YES	□ NO
SURFACE EROSION MAJOR NONE MINOR MINOR MINOR CURRENT PUMP INFORMATION PUMP ACTIVITY PERFORMED REPLACED REMOVED PUMP TESTED PUMP TESTED PUMP PEFORMED ND* REMOVED PUMP TESTED PUMP TESTED REMOVED PUMP TESTED REMOVED PUMP TESTED PUMP TESTED REMOVED PUMP TESTED PUMP TESTED REMOVED REMOVED PUMP TESTED REMOVED REMOVED PUMP PUMP PUMP PUMP PUMP PUMP PUMP PUMP	DEBRIS IN WELL			YES		NO			YES	□ NO
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PUMP TESTED YES NO ND* PUMP TESTED YES NO ND* NEW PUMP YES NO NO* NO* NEW PUMP YES NO NO*							✓ ND*			
NEW PUMP YES NO NOW NOW NEW PUMP YES NO NOW NOW NEW PUMP YES NO NOW NOW NEW PUMP ACTIVITY PEFORMED BY DATE ACTIVITY PEFORMED BY PUMP TYPE PUMP TYPE PUMP MAKE NO* PUMP MAKE PUMP MODEL PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft)	IN IMP TECTED							DI IMP TESTED		
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DATE ACTIVITY PERFORMED PUMP TYPE ND* PUMP MAKE ND* PUMP MAKE PUMP MODEL PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL TUBING LENGTH (ft) DATE ACTIVITY PERFORMED PUMP TYPE PUMP MODEL PUMP MODEL PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING MATERIAL TUBING MATERIAL TUBING MATERIAL TUBING LENGTH (ft)			IND*	YES		NO	✓ ND³		YES	NO
PUMP TYPE PUMP MAKE ND* PUMP MAKE PUMP MAKE PUMP MODEL ND* PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL ND* TUBING LENGTH (ft) TUBING LENGTH (ft) TUBING LENGTH (ft)			ND*							
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PUMP MODEL PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING MATERIAL ND* TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft)	PUMP TYPE		ND*							
PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING SIZE (in) TUBING MATERIAL TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft)	PUMP MAKE		ND*					PUMP MAKE		
TUBING SIZE (in) TUBING MATERIAL TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft)	PUMP MODEL		ND*					PUMP MODEL		
TUBING MATERIAL ND* TUBING MATERIAL TUBING LENGTH (ft) TUBING LENGTH (ft)	PUMP INTAKE DEPTH	(ft)	: 					PUMP INTAKE DEPTH (ft)		
TUBING LENGTH (ft) TUBING LENGTH (ft)	TUBING SIZE (in)							TUBING SIZE (in)		
	TUBING MATERIAL		ND*					TUBING MATERIAL		
JING CONNECTION ND* TUBING CONNECTION	TUBING LENGTH (ft)							TUBING LENGTH (ft)		
	JING CONNECTION	V	≀ND*					TUBING CONNECTION		

......

WELL ATTRIBUTES REPORT

FIELD ORDER N				LAST INSPECTION 1/1/1801
WELL DAME	A8996 699-80-62		ONET DATE	NORTHING 148433.996 EASTING 570966.028
WELL NAME HOST WELL ID	699-80-62		ONST DATE ONST DEPTH	ELEVATION 135.169
11031 WILLIAM				133103
	MEASUREME	NT INFORMATION		T-1
		LAST	CURRENT	
A DEPTH TO WAT	ER(ft)			<u> </u>
DEPTH TO WAT				
B'DEPTH TO BOTT	ΓΟΜ(ft) ∃28.1			
DEPTH TO BOTT	FOM DATE			
C'STICK UP(ft)	1.4		<i>/</i>	- A
D REFERENCE MAI	RK(ft)			
		S NO ▼ ND*		- B
	YE	S NO ▼ ND*	YES NO	
	PERFORATI	ON INFORMATION		
CASING SIZE	тор воттом	CUTS/FT/ROUND		
				▼ Depth to Water
CHANGES				Depth to Bottom of Well
				Depth to Bottom of Cas
				A DEPTH TO WATER FROM TOP OF CASING
				B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING
	CASING	INFORMATION		C TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKER
SIZE TO	р воттом	MATERIAL	TYPE	CONNECTION THICKNESS
3121 10	BOTTON	PIATENTAL	! IIFL	CONNECTION
en mere				
CHANGES				
	SCREEN	INFORMATION		
CT7F	n porton	MATERIAL		VDE CLAT CITE
SIZE TO	р воттом	MATERIAL	: Т	YPE SLOT SIZE
<u>i</u>				<u> </u>
CHANGES			e e e e e e e e e e e e e e e e e e e	



SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-80-62

WELL DESIGNATION RCRA FACILITY 699-80-62 : Not applicable Not applicable N 81,900 W

CERCLA UNIT

HANFORD COORDINATES : LAMBERT COORDINATES : 62,000 [Hanford Wells] [HANCONV]

DATE DRILLED Not documented DEPTH DRILLED (GS) : MEASURED DEPTH (GS) : DEPTH TO WATER (GS) : 30.0-ft 28.1-ft, 9Mar95 Not documented, Not documented

CASING DIAMETER : ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL :

Not cocumented
5-in, carbon steel, +1.9m30.0-ft
440.00-ft, [Hanford Wells]
438.1-ft, Estimated
Not documented
Not applicable
FIELD INSPECTION, 9Mar95,
5-in carbon steel casing, No cap or lock
No pad, posts or permanent identification SCREENED INTERVAL : COMMENTS

None

No pad, posts or permanent identification. Not in radiation zone.

OTHER: AVAILABLE LOGS

CURRENT USER

None found DATE EVALUATED None EVAL RECOMMENDATION : Not applicable LISTED USE None

PUMP TYPE Not applicable



WESTINGHOUSE HANFORD COMPANY		EXCAVATION PERMIT	
	ECOMISSIONING 699-97-	of Excavation 51B,6-86-64, 6-43-42, A & B,1B-92-01 through 24,1- 5. Engineering Change Notice (ECM)	
4. Originated By D.E. SKOGLIE		WHC-SD-EN-AP-161, Rev 0, App	
6. Drawings Required (Identification Number N/A	· · ·	7. Other Affected Drawings or Documents WELL DECOMMISSIONING PLANNEL QUARTER FISCAL YEAR 1995 BY	
	CODES (WAC-173-160). N	SE CHECKLIST AND WASHINGTON NORK WILL BE DOCUMENTED ON F	IELD
9. Special instructions or Comments (Include WORK WILL BE CON		C-CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.	
Excavation Requirements Planning Check Will the excavation work:	list (Check approprieta blocks to deter	mine supplemental approvals)	
	nter line of the reliroad track? (If yes, f yes, 600 Area Landlord approval requ secent to any high voltage line or switch	7 (If yes, Occupational Health and Safety approva Track Maintenance approval required.) Block 18 ifred.) Block 19 thing equipment? (If yes, Electrical Utilities approv barrier or will uncover a security system for mainte	al required.) Błock 20
approval required.) Block 2	2 of telecommunication lines? (If yes, I then existing utilities, buildings, wate	sewer, or water utility lines? (If yes, Steam/Water RM Plant Telephone approval required.) Block 23 r sites, and those required to remove existing surp	
11. List Facilities, Services, and Utilities affect SUBJECT WELLS WILL BE DEC CODES.	oted by Excevation OMMISSIONED PER WAC	SUPPLEMENTAL APP 17. Occupational Health & Safety Und 18. Track Meintenance N/A	4/21/95 Date
12. Cultural Resources Review (all Packages) HCRC #95-600-011 & -032 13. Occupational Health & Safety (for W.O.//	Def 03/23/95 04/05/95	19. 800 Area Landiord 20. Electrical Utilities	7-24-95 Date
N/A RWP Required Yes No X	, ,	N/A 21. Safeguerds and Security	Date
14. Environmental Assurance (tor. W.O./Project	ct Packages only) Data 4-24-95	N/A 22. Steern/Water Utilities	Date
15. Cognizant Engineer Hor W.O./Project Paci David & Skoglie		N/A 23. IRM Plant Telephone (24 hours prior to steme) N/A	Date
16. Facility/Plant Manager (for W.O./Project F N/A	Packages only) Date	24. Site Planning Eryancey for Sw Seiler	4/24/95 Date

A 8996 6-80-62



Pacific Northwest Laboratories Battelle Boulevard P.O. Box 999 Richland, Washington 99352 Telephone (509) 372-1791

March 23, 1995

No Known Affected Historic Properties

Mr. D. Skoglie Westinghouse Hanford Company Well Services P. O. Box 1970/N3-05 Richland, WA 99352

Dear Mr. Skoglie:

CULTURAL RESOURCES REVIEW OF THE WELL DECOMMISSIONING - 100 AND 600 AREAS PROJECT. HCRC #95-600-032.

In response to your request received March 9, 1995, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project, located in the 100 and 600 Areas of the Hanford Site. According to the information that you supplied, the project entails decommissioning 17 wells across Hanford. A drill and support equipment, including a compressor, support trailer, circulation tanks, etc., will be placed at each well location during decommissioning. This letter addresses Wells 699-97-51B, 6-80-62, 6-43-42, 6-43-42A through -H, 6-43-41C and -41D, 1-k-15, 1-k-24, and 1-k-25. A future letter will address Well 6-86-64, as it could not be located at this time.

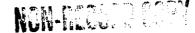
Our literature and records review and a visit by HCRL staff on March 22, 1995, shows that 15 of the 16 wells visited are in very disturbed areas, with the wells themselves having no historical significance. The area around Well 699-97-51B is fairly undisturbed, and an old irrigation feature is located to the south and southwest of the well. HCRL requests that the area to the south-southwest of the well be avoided by equipment as much as possible to avoid this historic site. No cultural materials were found to the north or west of the well. No additional work by the HCRL is required for these 16 wells.

It is the finding of the HCRL staff that there are no known affected historic properties within the proposed project areas. The workers, however, must be directed to watch for cultural materials (e.g., bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL archaeologist has been notified, assessed the significance of the find, and, if necessary, arranged for mitigation of the impacts to the find. The HCRL must be notified it any changes to project location or scope are anticipated. This is a Class III and a Class V case, defined as a project which involves new construction in a disturbed, low-sensitivity area and in an undisturbed area.



A 8996 6-80-62

> Mr. Dave Skoglie March 23, 1995 Page 2





Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project. Thank you for your assistance with this project.

Very truly yours,

M. E. Git

M. E. Crist Technical Specialist Cultural Resources Project

cc: D. Lloyd, RL (2) T. Clark File/LB Concurrence:

P. R. Nickens, Project Manager Cultural Resources Project



A 8996 6-80-62





Pacific Northwest Laboratories Battelle Boulevard P.O. Box 999 Richland, Washington 99352 Telephone (509) 372-1791

March 23, 1995

No Known Historic Properties

Mr. D. Skoglie Westinghouse Hanford Company Well Services P. O. Box 1970/N3-05 Richland, WA 99352

Dear Mr. Skoglie:

CULTURAL RESOURCES REVIEW OF THE FY95 CORING TEST PROJECT. HCRC #95-1100-004.

In response to your request received March 20, 1995, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project, located southwest of the 1100 Area of the Hanford Site. According to the information that you supplied, the project entails drilling several borings to test coring techniques in the Ringold Formation. Borings will range from 50' to 170' in depth. The well locations will be approximately 200' by 200'.

Our literature and records review shows that the project area has been at least somewhat disturbed by previous Hanford Site activities. A visit to the project area on March 22, 1995 confirmed heavy disturbance in the coring locations caused by work at an existing gravel pit. It is very unlikely that any archaeological materials exist in such disturbed ground. Survey and monitoring by an archaeologist are not necessary.

It is the finding of the HCRL staff that there are no known cultural resources or historic properties within the proposed project area. The workers, however, must be directed to watch for cultural materials (e.g., bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL archaeologist has been notified, assessed the significance of the find, and, if necessary, arranged for mitigation of the impacts to the find. The HCRL must be notified if any changes to project location or scope are anticipated. This is a Class III case, defined as a project which involves new construction in a disturbed, low-sensitivity area.

Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 372-1791. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,

M. E. Crist

Technical Specialist

Cultural Resources Project

cc: D. Lloyd, RL (2)

T. Clark File/LB Concurrence:

P. R. Nickens, Project Manager Cultural Resources Project





NON-RECORD COTY

	WELL RE	FIELD ACTIVI MEDIATION	TY REPOR	RT – NDONMEN	IT		Page <u>1</u> of <u>1</u>
Date	Well No.	Rig Type/Model	Rig No.	Contract/Wor		Start Card No	
05/09/95	699-80-62	Schram	#61	MBGGW		3205	6 A8996-01
Purpose		. .			Reference		Location
Decommiss brass lo	sioning of well cator pin and b	-Perforate, ackfill to	grout, i		N/A		600 Area
Hole Size		Type		Set At	Per	sonnel	
6" Total Depth		C.S N/A	•	30.00° N/A	_ Оре	erator Manof	Lic No. 2223 (Acceptance)
30	N/A	N/A		N/A			
Reference/Mo	easuring Point				8 a	mansilei er:	alpost for
Ground s	urface				M.	McCoy-He	lper Staco
Start '	Time 0630 Hrs.		als Used				Helper Staco
End.	Time 1330 Hrs.			cks cement	M.	Walkup-W	Proj. Mgr. Staco HC FTL
	TimeN/A		N/	A			-N/A
Contractor	TimeN/A		N/ N/	'A 'A			-N/A
Total	Time 7 Hrs.		Ñ/	Ä			-N/A
		D	escription of O	perations/Rema	rks		
0630-0	730: Safety med	ting was he	ld by Sta	co crew.	Topics d	iscussed	included duties
of fire	watches. Trave	elled to wel	1 #699-97	-51B. Al	l equipme	nt was in	spected. started
and warm	ed			N/A			
							N/A
	017: Set drill						
Modified	4" perforator	to fit 5" c	asing. H	PT onsite	All pe	raonnel a	nd equipment
	veyed, no conte						
	145: Perforated						
perforat	or. The perfor	rator makes	1"x1/4"x6	cts/ft.	The casi	ng was pe	erforated at 4
equidist	ant passes per	foot. The p	erforator	and dril	l rod wer	e surveye	ed by HPT, no
	ation found						
	215: Tore rig o						
	at off casing						
	s used for all						
							attached WHC form
which wa	s used for cem	ent volume c	alculatio	ns. Capp	ed well w	rith cemer	nt. set brass
	pin and backfi						
1245-1	330: Loaded eq	ripment and	mobilized	back to	well #699	-97-51B	N/A
			}		<u></u> -		
Panort P.	M.W Walkup			Reviewed	By D.E.	SKOGLIK	•
ı	1 1	adan \	· · · · · · · · · · · · · · · · · · ·	Title C	1.96	ING Ends	ned Date 05/12/93
Title Signature	Field Team Le	ARC.		Signature	Pari	d & Sko	9/19 Date 05/11/93

Project No.: FY95 WELL DECOMMISSIONING Task No.: RD WORK PLANNING/INITIATION: □ Remediate ☑ Decommis Evaluation Checklist Approved: WHC-CM-7-7, Ell 6.6, "Resource Protection Well Characterization ar	ssion 699-80 Date or NR	A 8996 -62 Attachment Number or NA
Evaluation Checklist Approved:	Date or NR	
· ·	- 11- 10-	
Evaluation"	nd 04/21/95	WHC-5D- EN- ECN=186390
Engineering Specification Issued: WHC-CM-6-1, EP-1.2, "Engineering Specifications"	11/23/94	NHC-28-EN-
Letter of Instruction Issued: Ell 1.15, "Preparation of SOW/LOI"	09/07/93	W. 372778 SOW
Authorization Work Order Issued: WHC-CM-2-5, Section 2.5, "External Work Orders"	NC	NA
Job Safety Analysis Completed: WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"	11/15/94	# 08294
Hazardous Waste Operations Permit Issued: WHC-CM-7-7, Ell 2.1, "Preparation of Hazardous Waste Operations Permits"	NR	NA
Cultural Resources Review Completed/Variance Obtained: WHC-CM-7-5, 12.3, "Historical and Archaeological Site Preservation	n" 03/23/95	95-600-032
Endangered Species Review Completed/Variance Obtained: WHC-CM-7-5, 12.4, "Plant and Wildlife Species on the Hanford Site	04/20/95	±95-600-32
Excavation Permit Obtained: WHC-CM-8-7, Section 503.1, "Excavation Permits"	04/24/95	600-95-016
Radiation Work Permit Obtained: WHC-CM-4-10, Section 8.0, "Radiation Work Requirements and Pe	rmits" N.C.	NA
ALARA Worksheet Completed WHC-CM-4-11, "ALARA Program Manual"	NR	NA
Start Card Transmitted: WAC 173-160-055, "Well Construction Notification" (Start Card)	5/95	(32056)
Work Schedule Completed: Project management software or equivalent	04/20195	- br4
Retired Area Entry Permit Obtained: WHC-CM-4-3, Standard G-10, "Retired Hanford Facilities"	NR	NA
Training Requirements Completed: WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry Requirements" Comments:	. 04/17/95	- DEF

STACO CONTRACT NO. 372778.

APPROVALS: (Print/sign name and date)

D.E. SKOGLIE / David Eskoglic 05/08/95

Field Team Leader/Drilling Engineer Date



A-6000-472 (02/93)

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST		Page 2 of 2
Project No.: Task No.: PV95 WELL DECOMMISSIONING RDICA	Well No.: 699-80	A8996 -62
WORK PERFORMANCE/EVALUATION	Completion Date or NR	Attachment Number or NA
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drilling, Well Development and Sampling Equipment"	Prejob <u>NR</u> Postjob <u>NR</u>	NA
Material Verifications Completed: Applicable Engineering Specification, No. MA Rev. MA Liner Casing and Centralizers as Specified Cement Grout as Specified	NR 05/09/95	NA A8996-01
Appropriate Well Cap as Specified Air-Entrained Concrete for Pad as Specified Material Packaged and Stored as Specified Lubricants and Drilling Aids as Specified	NR NR NR NR	NA NA NA NA
Perforations Completed as Specified: Applicable Engineering Specification	05/09/95	A8996-01
Liner and Grout Installed as Specified: Applicable Engineering Specification	NR	NA
Pad/Posthole Excavation Completed: Applicable Engineering Specification	NR	NA
Concrete Pad, Reinforcing Material, and Inset Marker Cap Installed as Specified: BRASS MARKER Installed Applicable Engineering Specification	05/09/95	A8996-01
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification	NR	NA
Guard Posts/Metal Sleeve Installed as Specified: Applicable Engineering Specification	NR	NA
Well Identification Stamped and Correct: Beass Marker Tratailed Applicable Engineering Specification	05/09/95	A8996-01
Well Reports Complete and Submitted to State: WAC 173-160-050, "Records"	04/17/96	9651783
Survey Complete, Survey Report Received and as Specified: Applicable Engineering Specification	NR	NA
Site Restored: Applicable Engineering Specification	05/09/95.	DEA
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Nonhazardous Solid Waste Disposal:	NR	NA
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commitment Control:	04/17/96	9651783
STACO CONTRACT NO 372778		
APPROVALS: (Print/sign name and date) <u>D.E. SKOGLIE! Devid Divollie</u> Field Team Lander/Oriting Enginee Date		A-8000-472 (02/83)

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water R

Start Card No	A32056	
UNIQUE WELL I.D.	AB996	
ght Permit No. N/A		
shington 99352		
1/4 SE 1/4 Sec 28	14N _{N.R}	26E w.m.
ANDONMENT PROCEDUR	E DESCRIPT	ION
haracter, size of material and structure	, and show thickne	us of aquilers
material in each stratum penetrated,	with at least one	entry for each
IATERIAL	FROM	TO
tached As-built		
		/
		{ -
· · · · · · · · · · · · · · · · · · ·		
		
/_		
	- 	
		
		
NK		
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<u>/ </u>		
		
		
		1, 7
	49.5	
9/95 19. Completed 05	09/95	19
PR CERTIFICATION:)/ V3/35	19
accept responsibility for constru		
fashington well construction stan ad above are true to my best kno	dards. Materials	used and
ouse Hanford Compa	RITY PEOR PAINT	
•		:0
ox 1970 Richland.		_
E. Skoglie	icense No. 15	80
Date		19
DITIONAL SHEETS IF NEC	ESSARY) A	
	1	

(1)	OWNER: Name U. S. Department of Energy Add	Richland, Washington 99352
(2)	LOCATION OF WELL: County Benton	. 14 SE 14 Sec 28 T 14N N. R 26E W.M.
(2a)	Renton	
		(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
(3)	PROPOSED USE: Downsettc Industrial Municipal : :	Formation: Describe by color, character, size of material and structure, and show thickness of aguillary
	C CONTES	and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.
(4)	(If more than one)	MATERIAL FROM TO
	Abandoned 🗆 New well 📋 Method: Dug 🗎 Bored 🗀 Despend 🖂 Cable 📮 Driven 🗀	Reference attached As-built
	Reconditioned Rotary Jetted	
(5)	DIMENSIONS: Diameter of well 6" Inches,	
	Drilled 30.0 leet. Depth of completed well 30.0 ft.	
(6)	CONSTRUCTION DETAILS:	
	Casing installed: 5" - Diam. from +1.9 t. to 30.0 t.	
	Welded Diem. from ft. to ft.	
	Threaded	
	Perforations: Yes 🔼 No 🗌	
	Type of perforation used Holte Star Wheel SIZE of perforations 1.0" in. by 1/4" in.	
6	SIZE of perforations 1.0 In. by 1/4 In. cts/ft perforations from 3.0 It. to 26.0 It.	
	perforations from 7t. to 1t.	
	perforations fromft. toft.	
	Screens: Yes No 1	
	Menufacturer's Name	
	Type Model No	NK
	Diam, Slot size from ft. to tt.	N .
	Diam. Stot size from ft. to ft.	
	Gravel packed: Yes No Size of gravel	
	Gravel placed from ft. to ft.	
	Surface seal: Yes No To what depth? tt.	
	Material used in seal Did any strate contain unusable water? Yes No 🗵	
	Type of water?	
	Method of seeling strate off	
(7)	PUMP: Manufacturer's Name	
	175°:	Work Started 05/09/95 19. Completed 05/09/95 19
(8)	WATER LEVELS: above meen see level t.	Work Started U3/U9/95 19. Completed U3/U9/95 19
	Static level 1. below top of well Date Artesian pressure bs. per aquere inch Date	WELL CONSTRUCTOR CERTIFICATION:
	Artesian water is controlled by	I constructed and/or accept responsibility for construction of this wall, and its
	(Cap, valve, etc.)	compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes	
	Was a pump test made? Yes No If yes, by whom?hrs.	NAME Westinghouse Hanford Company (PERSON FAMILOR CONFORMIN) (TYPE OR PANN)
	" " H	Address P.O. Box 1970 Richland, WA 99352
	" " "	
_	Recovery days (time taken as zero when pump turned off) (water level measured from well	(Signed) David E. Steagle License No. 1580
•	top to water/fevel) Time /Water Level Time Water Level Time Water Level	O4/11/4 (West bridger)
	_/	Registration —— NA ————————————————————————————————
_	/	
	Date of test	(USE ADDITIONAL SHEETS IF NECESSARY)
	Bailer testgal./min. withft. drawdown after hrs,	Foology is no Found Connection by and Affirm this Aution and I
	Airtest	Ecology is an Equal Opportunity and Affirmative Action employed For special accommodation needs, contact the Water Resources Programme (206)
	Ariesian flow g.p.m. Date Temperature of water Was a chemical analysis made? Yes No	407-6600. The TDD number is (206) 407-6006.
	- 140 (T)	

RESOURCE PROTECTION WELL A 8996 STRUCTURE FIELD INSPECTION REPORT

		Well Number 649-80-62	Date 3-9-95
	5 My 1466	inspector (print) T. J. Woof	
		Signature 10, Wood	
		To the second of	de acres la la resta ese successibilità
		WELL IDENTIFICATION	D MARKINGS
		is the well labeled?	Yes KNo
		If yes, should the casing be relabeled?	Yes No
		Does the well have a brass marker?	☐Yes ☑No
		If yes, is the brass marker stamped with well ID?	☐ Yes ☑No
		Does the casing need to be painted/ repainted thus requiring relabeling?	Yes No
6998062	19wood	Irregularities	etro secondo de la Mandello de la Companya de la Co
699-30-62 A-8996	19wood 3.4.45		Mary and the policy with a deal of
	WELL	SITE IDENTIFICATION	
Does well have a barber pole?	☐ Yes 🔯	No If no, is one needed?	es 🔲 No
Does well have an identification sign posted at entrance to access route?	☐ Yes 🔎	No If no, is one needed?	es 🔲 No
Is well located in or around a particular facility? (e.g., 216-A-10 crib, B-Y Tank Farms, B-Pond, etc.)	Yes 🖄	No If yes, identify facility	un semperar sessioni de la pesso (T)
Is well located in a radiation zone?	☐ Yes	No If yes, describe zone type	The state of the s
Irregular/Damage (describe)	0 750 0 W.J. ALEXAN	Company Personal Control of the Cont	a Superior della contrata constituta
	INSPECT WELL S	URFACE PROTECTION MEASURES	and the contraction of the contr
the property of the second second second second second second second second	erik (Territoria de la Companya de la Companya de la Companya de la Companya de la Companya de la Companya de La Companya de la ELL CAPS	Sakkerskop in the second property of	
s the well capped?	☐ Yes		
is the cap able to be locked?	Yes X		conductor was put of the way.
s the cap locked?	Yes 🔯	None None	
Describe existing problems with well cap, if	any, or check none:	None State of the	exemple passes
	10 The seconds	CONCRETE PAD	
None	in. x 18 in.	2 ft round Is it damaged?	☐ Yes ☐ No
rregular/Damage (describe)	and the second s	and a manufacture of the state	Total
	7,000	BARRIER POSTS	A
Four posts, min. 3 in. ID, 1 removable?	☐ Yes 💆	nontribute legal in a restriction of the second of the sec	
f no, describe barrier posts:	How many posts	Complete Commence of the Comme	osts?
	HOW HIGHY DUSTS	Diameter of p	
	Is there a remov	Approximate the second contract of the second	en en en en en en en en en en en en en e

A-6000-499 (10/92)

	CASING DIAMETERS: C	CASING INFORMA OUTER (SURFACE), INNE	ATION R. AND OTHER - RECORD IN II	NCHES	
Indicate diameter of casing. De					
			Type <u>C5</u>		
Inner casing: OD/ID: _			Туре	,	
Other casing: OD/ID: _					
Other casing: OD/ID: _			Туре		
Describe condition of top edge	_	-			
	Uneven		Beveled		
Other (describe)					
Describe protective casing dam	age, if any (e.g., hole in	casing, bent, etc.), or ch	eck none: Dinone		
Distance from: (check one)			nost casing 1.9	···	}
Ground Surface	Cement Ped	To top edge of highest m	nost casing		
	8.	AMPLING EQUIPMENT I	NSTALLATION		ļ
Describe type of pump system:					
Hydrostar	Submersible	☐ Bladder	None		
Describe type of pump system Hydroster Plate	support:	J-Hook	Steel Cable	Pitless Adapter	
Describe type of pump system:					
3/4 in. Stainless Steel	1 1/2 in. ABS	1 in. PVC	1 1/2 in. galvanized		
Irregular/Damage (describe)					
 	,	WELL SITE SAF	ETY		
Describe debris present at well	site, if any, or check nor	ne:	None		
			···		
Describe well site irregularities	(e.g., down in pit, locked	i building, overhead elec	trical power lines, on slope), or	check none: None	
No Access A	Runo Sit	e LEVEL		'	
		SURVEY INFORM	ATION		
Describe survey mark location:	_	_	$ \overline{} $	le stamp clearly visible?	
☐ Top edge of highest mos		Marker Both	None	Yes X(No	
Other (describe)					
		DEPTH MEASURE	MENTS		
Depth to Water:		Depth to Bottom:	28:1		
Comments: _1, 9' -37					
		COMMENTS	<u> </u>		
		Odministra	<u>-</u>		
					·············
				Λ	
·					
					<u> </u>
				A-6000-499R	(10/92)

•	•	A - 8	FIEL	D ACTIVITY REPORMENT CALCULATION	T-NON-RECORD COPY
Date		Well Nur	`	Continuation of Report No.	
5-9	- 95	- 699-	80-62	A8996-01	
	CEM	ENT STAGE	VOLUME C	ALCULATIONS	
	1.1				ID of casing or diameter of hole, inches = D
		<u>25</u> fe	et x 0.040	3 x <u>5</u> D ²	=25.50 Gallons of cement required
		25 fe	et x 0.0054	454 x5 D ²	= 3,41 Cubic feet of cement required
	1.2	Cement Volu	ıme - Annui	ar Spaces	
		☐ Between	Fubing and	Hole (D = Hole	diameter, inches; d = OD of Tubing, inches)
		☐ Between	Casing and	Hele (D = Hole	diameter, inches; d = OD of Casing, inches)
i		☐ Between	Tubing and	Casing 19 10 of	Casing, inches; d = OD of Tubing, inches)
		☐ Between	Casings	(D = 1D of	ower Casing, inches; d = OD of inner Casing, inches)
		D =	d =	n = Numbe	r of tubing strings
					d ² xn)} =Gallons of cement required
					d ² xn)) = Cubic feet of cement required
2.0	SLU	RRY MIX CA			
					lbs/sack: 94 ft3 /sack (mixed): /./8
					/sack (mixed) = 2.89 sacks
					3 % required) = 5 Total sacks required
		Calculate M			
	2.2	-		mant v. 5,2- anliana	water/sack = 26 gallons of mix water required
					Attention - at 4 Banking of the Agenda
	2.3	Calculate A	uditive Amo		the facilities of
		Type	Cemen		ibs/sack x % = 1bs. required Additive Additive
		Туре		Total sacks x	lbs/sack x % = lbs. required
			Cemen	Ceman	
3.0	DIS	PLACEMENT	VOLUME (CALCULATIONS NA	
-		Balanced Pl	ug Displace	ment	
		ft.	(top of cerr	ient) ft. (wat	er level) - feet to be displaced
		ft.	(to be displ	aced) x gal/ft.	gallons of displacement water required
4.0	REN	MARKS			
-					
				NA	
_					
Ren	ort F	V JA	PASFIEC	o	Reviewed By D.E. SKOGLIE
					Title SR. DRILLING Engineer Date 05/12/95
		•	M	/	Signature David & Thoylie.
310	natur	·——			The state of the s

P.O. Box 1970 Richland, WA 99352

April 17, 1996

9651783

Mr. S. Leja, Hydrogeologist State of Washington Department of Ecology 1315 West Fourth Avenue Kennewick, Washington 99336

Dear Mr. Leja:

WELL DECOMMISSIONING COMPLETION REPORTS

Enclosed please find the Water Well Reports for the completion of decommissioning of the following wells:

199-F2-1; 199-F2-2; 699-S24-19B; 699-81-47; 699-83-36F; 699-97-47; 699-80-39B; 699-83-36B; 699-83-36C; 699-83-36D; 699-83-36E; 699-83-36; 699-50-28D; 699-84-61B; 699-96-52; 699-54-18E; 199-B4-2; 199-B4-3; 699-1B-92-01 through 699-1B-92-24; 699-80-62; 699-97-51B; 199-K-25; 699-49-12A; 699-49-12B; 699-43-41C; 699-43-42D; 699-43-42H; 699-43-42C; 699-43-42B; 699-43-42B; and 699-43-42B.

Included in this documentation package is the final as-built with a description of the decommissioning process.

Should you have any questions, please contact Mr. D. E. Skoglie of my staff at (509) 373-7496.

Very truly yours,

Mb Gara

M. G. Gardner, Manager Well Services Hanford Technical Services

daf

Attachment

BHI - A. J. Knepp (w/o attachment)

PNL - S. P. Luttrell (w/o attachment)



WELL ATTRIBUTES REPORT

:LD ORDER NO ₩ELL ID	B2475		·			LAST INSPECTION NORTHING	_	1/1/1801 148895.1			
WELL NAME	699-83-36B	9-83-36B		CO	NST DATE	EASTING		578851			
HOST WELL ID			_	CO	NST DEPTH	ELEVATION	_	128.5			
	AST INSPECTIO	N INFO	RMATI	ON		CURRENT INSPECTION IN	IFORM	1ATION			
WELL PAD			YES	NC	D ▼ ND*	WELL PAD		YES	Ξ:	NO	
BRASS SURVEY MARKE	ER	+ -	YES	NC	> ✓ ND*	BRASS SURVEY MARKER		YES		NO	
MARKER STAMPED WI	TH SURVEY DATA		YES			MARKER STAMPED WITH SURVEY DATA		YES		NO	
MARKER STAMPED WI	TH WELL ID DATA		YES		r —	MARKER STAMPED WITH WELL ID DATA		YES		NO	
WELL LABELED WITH	WELL ID		YES	NC		WELL LABELED WITH WELL ID		YES		NO	
WELL LABELED WITH	WELL NAME					WELL LABELED WITH WELL NAME		YES		NO	
PROTECTIVE POSTS			YES	NC		PROTECTIVE POSTS		YES		NO	
REMOVABLE POST IN	PLACE	!	YES	NC		REMOVABLE POST IN PLACE		YES	E:	NO	
WELL LOCK			YES	l NC		WELL LOCK		YES		NO	
WELL DAMAGED		ΙO		□ NC	(212)	WELL DAMAGED		YES		NO	
WELL IS DRY		<u> </u>	YES	NC		WELL IS DRY		YES		NO	
PARTED CASING			YES	NC		PARTED CASING		YES		NO	
BENTONITE IN WELL				□ NC		BENTONITE IN WELL		YES	Ë	NO	
WELL SANDED IN			YES	□ NO		WELL SANDED IN	- []	YES		NO	
LAPSED CASING		- E	YES	NC		COLLAPSED CASING		YES		NO	
EQUIPMENT IN WELL			YES	NC		EQUIPMENT IN WELL				NO	
DEBRIS IN WELL			YES	NO		DEBRIS IN WELL		YES	:_	NO	
SURFACE EROSION		1 []		R □ NO	ONE	SURFACE EROSION		MAJOR		NONE	
				R 🗹 NI) *			MINOR			
	LAST PUMP II	NFORM	ATION			CURRENT PUMP INFO	RMAT	ION			
PUMP ACTIVITY PERF	ORMED		INST	ALLED	_	PUMP ACTIVITY PERFORMED		INSTA	LED		
		Ξ	REPLA		₹ ND*	:		REPLA			
			REMO			PUMP TESTED		REMO\	/ED		
PUMP TESTED		<u> </u>	YES	_ NO				YES		NO	
NEW PUMP			YES	NO	* MD*	NEW PUMP		YES		NO	
ACTIVITY PEFORMED		ND*		,		ACTIVITY PEFORMED BY	 				
DATE ACTIVITY PERF	ORMED					DATE ACTIVITY PERFORMED	ł				
PUMP TYPE		ND*				PUMP TYPE					
PUMP MAKE		ND*				PUMP MAKE					
PUMP MODEL		ND*				PUMP MODEL					
PUMP INTAKE DEPTH	(ft)					PUMP INTAKE DEPTH (ft)	,				
TUBING SIZE (in)						TUBING SIZE (in)					
TUBING MATERIAL		ND*				TUBING MATERIAL	i i				
"BING LENGTH (ft)		<u> </u>				TUBING LENGTH (ft)					
JAING CONNECTION	V	ND*				TUBING CONNECTION		. ,			

WELL ATTRIBUTES REPORT

FIELD ORD WELL ID	ER NO	B2475				LAST INSPECTION NORTHING	1/1/1801 148895.1
WELL NAM HOST WEL		699-83-36В		CONST DATE CONST DEPTH		EASTING ELEVATION	578851 128.5
		MEASUREME	NT INFORMATION		i 		
			LAST	CURRENT] [
A DEPTH TO	<u> </u>	······		: 			
DEPTH TO				!			
B DEPTH TO							
DEPTH TO		DATE				,	
C STICK UP(: :			
D REFERENCE	E MARK(f	t)			:		
REFERENC	E MARK I	S TOC YES	NO V ND	* YES NO			В
		PERFORATI	ON INFORMATION				
CASING SI	ZE TO	P BOTTOM	CUTS/FT/ROUND			▼ Depth to Water	
					-	1	·
CHANGES						Depth to Bottom of Wel	1
							to Bottom of Casins
						PTH TO WATER FROM TOP OF CA	
					1	PTH TO BOTTOM OF WELL FROM P OF CASING TO GROUND SURFA	
		CASING	INFORMATION		D TO	P OF CASING TO SURVEY REFER	ENCE MARKER
SIZE	ТОР	воттом	MATERIAL	TYPE	CON	NECTION THICKNESS	 ,
		!				······································	
CHANGES							
							····
		SCREEN	INFORMATION				
SIZE	ТОР	воттом	MATERIAL	! т	YPE	SLOT SIZE	
		····				i	<u></u>
CHANGES							



P.O. Box 1970 Richland, WA 99352

April 17, 1996

9651783

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Very truly yours,

Mb Gara

M. G. Gardner, Manager Well Services Hanford Technical Services

daf

Attachment

BHI - A. J. Knepp (w/o attachment)

PNL - S. P. Luttrell (w/o attachment)



WELL CONSTRUCTION AND	COMPLETION SUMMARY
Drilling Sample Method: Duq Method: Not documented Drilling Additives Fluid Used: Not documented Used: Not documented Driller's WA State Name: Not documented Lic Nr: Not documented Drilling Company: Not documented Location: Unknown Date Date Started: Not documented Complete: Not documented	WELL TEMPORARY NUMBER: 699-83-36B B2475 WELL NO: Hanford Coordinates: N/S N 83,350.00 E/W W 36,125.00 State NAD83 Coordinates: N E Start Card #:Not documented T 14N R 27E S29SW SW Elevation Ground surface: 418.00-ft Est.
Depth to water: (Ground surface) GENERALIZED No STRATISRAPHY Decumentation {Depths from ground surface} [4]+ Decommissioning Activities: [1] Established depth to bottom, cleaned out to 33.5-ft [2] Placed 650(50#) bags granulated bentonite 33.5-3-ft [3] Placed cement cap from 3-ft to surface, set brass marker [4] Placed cement around outside of structure Completed: 09/25/95	Elevation of reference point: (top of cement) Height of reference point (C.00-ft above ground surface ND No surface seal documented Height of surface seal documented S-ft Round cement lined cistern: 0.0-33.5-ft DTB= Depth to bottom: 33.5-ft 10May95
Drawing By: TJW/6N83W36B.ASB Datc : 13Mar96 Reference : HANFORD WELLS	

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-83-36B

699-83-36B WELL DESIGNATION CERCLA UNIT :
RCHA FACILITY :
HANFORD COORDINATES : Not applicable Not applicable N 83,350.00 W 36,125.00

LAMBERT COORDINATES :

DATE DRILLED :
DEPTH DRILLED (GS):
MEASURED DEPTH (GS):
DEPTH TO WATER (GS): Not documented 33.5-ft 33.5-ft

Not determined

5.0-ft Round cement distern 418.00-ft Estimated 418.00-ft.

CASING DIAMETER : ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL : SCREENED INTERVAL

None documer.ted None documented

COMMENTS

FIELD INSPECTION, 10May95, 5.0-ft Round cement distern, open at top, no cover,

no pad, no posts Not in radiation zone. Extreme safety hazard OTHER:Borehole Decommissioned by WHC Well Services: 09/25/95

None

Not applicable Not applicable Extreme safety hazard, decommission

AVAILABLE LOGS :
TV SCAN COMMENTS :
DATE EVALUATED :
EVAL RECOMMENDATION :
LISTED USE :
CURRENT USER : Not documented Not documented

PUMP TYPE None

MAINTENANCE Borehole Decommissioned File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

ECA 020-1-50 (8/83) . . 1

WATER WELL REPORT

Start Card No. <u>A32076</u>
UNIQUE WELL LD, s <u>B2475</u>

STATE OF WASHINGTON

Water Right Permit No. N/A

1)	OWNER: Name U. S. Department of Energy Add	Richland, Washington 99352					
(2)	LOCATION OF WELL: County Benton	SW 1/4 SW 1/4 Sec 29 T. 1	4 N.B 2	27E ww.			
(2a)	STREET ADDRESS OF WELL (or neerest address)						
(3)	PROPOSED USE: IX Domestic Industrial II Municipal II	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION					
<u> </u>	TYPE OF WORK: Owner's number of well 699-83-36B	Formation: Describe by color, character, size of material and structure, and show thickness of squifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.					
177	Abandoned CK New well Method: Dup Bored Bored	MATERIAL	FROM	TO			
	Deepaned Cable Driven Reconditioned Rolary Jetted	Reference attached as-built.					
(5)	DIMENSIONS: Diameter of well 60 0 inches. Drilled 33.5 feet. Depth of completed well 33.5 ft.			\neq			
(6)	CONSTRUCTION DETAILS:						
	Cesing installed: Diam, from ft. to ft.						
	Perforationa: Yes No 🗷						
	Type of perforation used						
		<i></i>	1				
	Screens: Yes No &		-				
	Manufacturer's Name						
	Type Model No.						
	Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft.						
_	Gravel packed: Yes No Size of gravel						
	Gravei placed fromft. toft.	- yA	 				
	Surface seal; Yes No To what depth? R.						
	Material used in seal						
	Did any strata contain unusable water? Yes No						
	Type of water? Depth of strata Method of sealing strata oil		 				
(7)	PUMP: Manufacturer's Name Type: H.P.						
(8)	WATER LEVELS: Land-surface elevation above many and level 418 (e.g.t.)	Work Started 09/21/95 19. Completed 09/26	6/95	19 <u>.95</u> _			
ι-,	static level ft. below top of well ft.	WELL CONSTRUCTOR CERTIFICATION:					
	Artesian pressure			منا المحمد ال			
	(Cap, valve, etc.)	I constructed and/or accept responsibility for construction compliance with all Washington well construction standards	a, Materials	used and			
(9)	WELL TESTS: Orawdown is amount water level is lowered below static level	the information reported above are true to my best knowledg	-	•			
	Was a pump teet made? Yes No Hyes, by whom? Yield:	NAME Westinghouse Hanford Company	I PRINT)				
	" " н	Address P.O. Box 1970 Richland, WA	99352	2			
	" " "	(Signed) David E Strogsi Licens	se No. 158	30			
1	Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) ime Water Level Time Water Level Time Water Level	Contractor's					
		Registration No. N/A Date 04/4		, 19 96			
		(USE ADDITIONAL SHEETS IF NECESS	RY)				
	Date of test hrs hrs.		_	_			
	Airtest	Ecology is an Equal Opportunity and Affirmative Action cial accommodation needs, contact the Water Resource	employer. I	For spe- at (206)			
	Ariesian flow	407-6600. The TDD number is (206) 407-6006.	o crogram	()			

WHC-SD-EN-AP-161, Rev O, Appendix F

WELL CONSTRUCTION AN	D COMPLETION SUMMARY
Drilling Sample Method: Dug Method: Not documente Drilling Additives Fluid Used: Not documented Used: Not documented Driller's Not documented Lic Nr: Not documented Drilling Company: Not documented Company: Not documented Date Started: Not documented Complete: Not documented	Hanford Coordinates:N/S N 83,350.00 E/W W 36,125.00 State NAD83
Depth to water: (Ground surface) GENERALIZED No STRATIGRAPHY Documentation (Depths from ground surface	Elevation of reference ["418.0-ft] point: (top of cement) Height of reference point [0.00-ft] above ground surface
0-33.5-ft Not documented	→ Depth of surface seal [ND] No surface seal documented → 5-ft Round cement lined cistern: 0.0+33.5-ft
DTB	DTB= Depth to bottom: 33.5-ft 10May95
Drawing By: TJW/6N834368,AS8 Date : 21Jun95 Reference : MANFORD WELLS	

WESTINGHOUSE HANFORD COMPANY

B2475

EXCAVATION PERMIT 100-95-035

RDICA FY95 WELL DECOMISSIONING 699-83-	36B → -C, -D, -E, 699-97-47, site numbers
4. Originated By Date	3, 45BN482, 3-164, and 3-151. 15. Engineering Change Notice (ECN)
originated by	WHC-SD-EN-AP-161, Rev O, Appendix F
D.E. SKOGLIE 09/19/95	
6. Drawings Required Ildentification Numbers)	7. Other Affected Drawings or Documents
N/A	WELL DECOMMISSIONING PLANNED FOR FOURTH/FIRST QUARTER FISCAL YEAR 1995/1996 WHO WELL
DECOMMISSION WELLS PER FITNESS FOR U ADMINISTRATIVE CODES (WAC-173-160). ACTIVITY REPORTS.	
Special Instructions or Comments Uncluding Salety Requirements found in WH WORK WILL BE CONDUCTED PER AN APPLIC	
10. Excavation Requirements Planning Checklist (Check appropriate blocks to dete	rmine supplemental approvals)
Will the excavation work:	
Yes No	g? (If yes, Occupational Health and Safety approval required.) Block 17
X limit access, pedestrian or vehicle, to or from any area or building	gr (ii yes, Occupational resum and Salety approved required.) block 17
be within 25 feet of the center line of the railroad track? (If yes,	Track Maintenance approval required.) Block 18
be within the 600 Area? (If yes, 600 Area Landlord approval requ	uired.) Block 19
De under or immediately adjacent to any high voltage line or switt	ching equipment? (If yes, Electrical Utilities approval required.) Block 20
-	
be within or immediately adjacent to the boundaries of a security (If yes, Safeguards and Security approval required.) Block 21	barrier or will uncover a security system for maintenance or modification?
be performed over, under, or immediately adjacent to any steam, approval required.) Block 22	sewer, or water utility lines? (If yes, Steam/Water Utilities
be performed in the vicinity of telecommunication lines? (If yes,	IRM Plant Telephone approval required.) Block 23
be performed in areas other than existing utilities, buildings, water Planning approval required.) Block 24	er sites, and those required to remove existing surplus facilities? (If yes, Site
11. List Facilities, Services, and Utilities affected by Excavation	SUPPLEMENTAL APPROVALS
SUBJECT WELLS WILL BE DECOMMISSIONED PER WAC	17. Occupational Health & Salety Date Double Laboration of T. STONE
CODES.	In Telecon 09/19/95 12:50 09/19/95
	18. Track Maintenance Date
REQUIRED APPROVALS	√N/A ¬
12. Cultural Resources Review (all Packages) Date	19. 600-Area-Landlord Date
HCRC # 95-600-017 DE SKOglie & Telecon 09/20/45	9-19-95
13. Occupational Health & Safety (for W.O./Project Packages only) Oate	20. Electrical Utilities Date
N/A	N/A
RWP Required Yes No X	21. Safeguards and Security Date
14. Environmental Assurance (for W.O./Project Packages only) Date	N/A 22. Steam/Water Utilities Date
S.M. Midmay 9-20-98	N/A
15. Cognizant Engineer (for M.O./Project Packages only) Date	23. IRM Plant Telephone (24 hours prior to start) Date
DE. SKOCLIEN DE Skoglie 09/19/95	N/A
16. Facility/Plant Manager (for W.O./Project Packages only) Date	24. Site Planning Date
N/A	1 QF Gancey 9-19-95
	A-7400-373 (06/92)

ECN-611433

WHC-SD-EN-AP-161, Rev O, APPENDIX F WELL LOCATION MAP

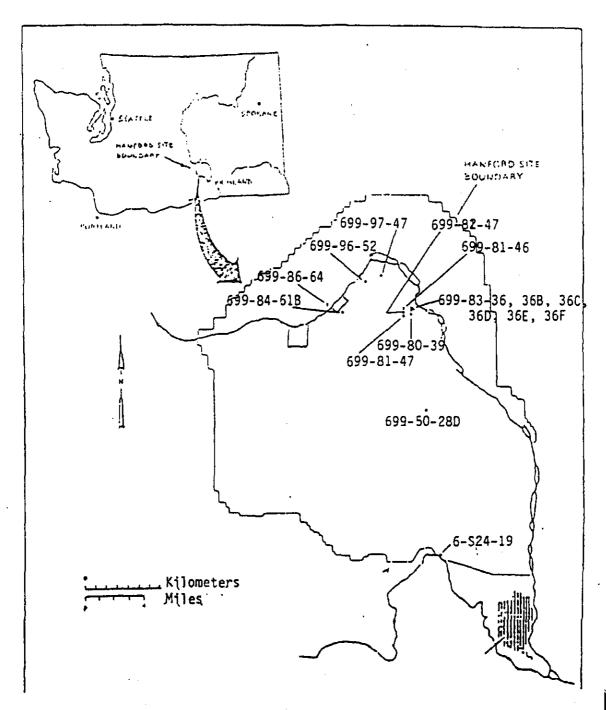


Figure 1. Location Map of Wells Selected for Decommissioning





Slip Caps

NON-RECORD COPY DAILY DRILLING REPORT 1-800-45-STACO . FAX 845-9274

220 Academy St., Mt. Angel, OR 97362

	Well S	EX	CES			No	11005
Staco Job # 94	5		Day of Week	sday		Date (1.2/.95	""
Drilling Company	Drilling Company Staco			195		Well# 3.2475 R	ig# 6/
Site (d) a	100		County \$300		-,	State / /	
From	То					1775	*********
· · · · · · · · · · · · · · · · · · ·		12/-		/ / -		1 11/ /-03 3/	P
12:45						5 well 6-83-36	
	16:00		5 40 13G5 USAG	d. Cleur	1 43	site and seco	<u> </u>
<u> </u>							
							<u> </u>
					1/_		
					4		
<u> </u>							
	<u></u>						
MATE	RIALS RECORD		Locking Caps			TIME REC	
ment	6 Bays		Bullards			Rigtime 3.25	level
. ure Gold			Protective Cover	diam.	quan.	Drilling	level
Hole Plug	4-		Flush Mount	diam.	quan.	Completion	level
Bentonite Powder	3 100163	5 5	Temp Casing Threaded Casing	diam.	feet	Decon Moving	level
Crumbles			Drive Shoe	diam.	feet	Development	level
Sand Pellets			Perm Casing	diam.	feet	Site Prep	level
RediMix			4 x 4 Concrete Pad	Giarri.	1901	Standby 1st 2 hrs.	level
D.O.T. Drums		 -		T RENTALS	<u>-</u> -	Standby after 2 hrs.	level
D.C.1. Diulis			Decon Equip.	THE IT IN LO		Samples	leve!
P.V.C. Well	diam.	sch	Generator			Pump Hoist	level
7	Creati.	00	Compressor			Crane Truck	level
S.S. Well	dlam.	sch.	Water Truck			Abandonment	level
2.5' Blank			Vac. Truck	···································		Down Hole Casing Cut	
5' Blank			Winch Truck			Extra man hours	level
10' Blank		 -	Forklift /			Perdiem 1/0	
20' Biank			Backhoe			Travel Time	
5' Screen			Cuttings Tank			Driller July 1	Ellin.
10' Screen	 	,	Sub. Test Pump			Assistants / / Dun/	1. Burpenter
20' Screen			, o t	HER		Consultant	/:
antralizers			anout Plan	U.		/ kinax Ol	akei _
d Pho			7			Shift Start 12145	Total Hours

Shift End



NON-RECORD COPY 220 Academy St., Mt. Angel, OR 97362 DAILY DRILLING REPORT 1-800-45-STACO • FAX 845-9274

Well Services -

No 11008

Staco Job # 945			Day of Week Mandan			Date 9-25-95		
Drilling Company			Consulting Firm	-4 95		Well# 6	32475 -2736-A	Rig # 6/
			County Benja	n		State	6	
From	То							
06.00	06:30	Sefe	Emertine - 13	Det Wir	e x0,04	and	stop in	spection_
06:30		Driv	e to well sit	and le	art al	Lemote	Lasc	ud pallets
			TENT B CETTE	1 10 20	ان ما ما	(d 15)	rich un	une materials
······································			Top of wills			23-36 6	cond to	-83-365 W.TA
				/ /	, , ,	,		li alaura
	 		Coment and	oloce be	/	ackers.	,	5 2200
			2 and I wide	CIDURG	<u> </u>	<u> </u>		
		4	Dest semoned	From Cers	und we	Uplac	e in wall	Fran 14:5
<u> </u>			40TO 12 GS A	eTive 50	il_M	Jalia	Cadque	with HCRI
	11:00		on site to u	1. Truess	Wolf G	bandon	aunT.	
11:00		Teu	7 B Returne	1, place	bantos	· Tuco	umbles F	ion 12' 47/0
	12:30		3' from Tac.	102	Bos	300/		
MATE	RIALS RECORD		Locking Caps				TIME RE	CORD
ment	64 Bas		Bullards			Rigtime	10	level
⊿re Gold	-127 /3-5 5		Protective Cover	diam.	quan.	Drilling		idvel
Hole Plug			Flush Mount	diam.	quan.	Completio	n	level
Bentonite Powder	2 = 5	453 0.340	Temp Casing	diam.	feet	Decon		level
Crumbles			Threaded Casing	diam.	feet	Moving		level
Sand			Drive Shoe	dam.	feet	Developm	ent	level
Pellets			Perm Casing	diam.	feet	Site Prep		level
RediMix			4 x 4 Concrete Pad			Standby 1		ievel
D.O.T. Drums			EQUIPME	NT RENTAL	S	Standby a	fter 2 hrs.	level
			Decon Equip.			Samples		level
P.V.C. Well	diam.	sch.	Generator			Pump Hoi:	st	level
			Compressor			Crane Tru		level
S.S. Well		_	Tarasa Taras	. /		Abandonn	nent	level
	diam.	sch.	Water Truck	<u> </u>				
2.5' Blank	diam.	sch.	Vac. Truck			Down Hole	e Casing Cut	
	diam.	sch.	}	/		Down Hole Extra man	e Casing Cut	leve
2.5' Blank	diam.	sch.	Vac. Truck	/		Down Hole Extra man Perdiem	e Casing Cut hours	leve
2.5' Blank 5' Blank	diam.	sch.	Vac. Truck Winch Truck	/		Down Hole Extra man Perdiem Travel Tin	e Casing Cut hours	leve
2.5' Blank 5' Blank 10' Blank	diam.	sch.	Vac. Truck Winch Truck Forklift			Down Hole Extra man Perdiem Travel Tin Driller	e Casing Cut hours 4 e 5 ne Texay MCC	
2.5' Blank 5' Blank 10' Blank 20' Blank	diam.	sch.	Vac. Truck Winch Truck Forklift Backhoe Cuttings Tank Sub. Test Pump			Down Hole Extra man Perdiem Travel Tin Driller Assistants	e Casing Cut hours 4 e 5 ne Trany MCC	t or
2.5' Blank 5' Blank 10' Blank 20' Blank 5' Screen	diam.	sch.	Vac. Truck Winch Truck Forklift Backhoe Cuttings Tank Sub. Test Pump	THER		Down Hole Extra man Perdiem Travel Tin Driller Assistants	e Casing Cut hours 4 e 5 ne Trany MCC	t or
2.5' Blank 5' Blank 10' Blank 20' Blank 5' Screen	diam.	sch.	Vac. Truck Winch Truck Forklift Backhoe Cuttings Tank Sub. Test Pump			Down Hole Extra man Perdiem Travel Tin Driller Assistants Consultar	e Casing Cut hours 4 = 5 ne Trany Michael Ucucy S	kes Deckes
2.5' Blank 5' Blank 10' Blank 20' Blank 5' Screen 10' Screen 20' Screen	diam.	sch.	Vac. Truck Winch Truck Forklift Backhoe Cuttings Tank Sub. Test Pump			Down Hole Extra man Perdiem Travel Tin Driller Assistants	e Casing Cut hours 4 = 5 ne Trany Michael Ucucy S	t or



WILL SIMILES ...

NON-RECORD COPY

Nº. 11008

Staco Job # 945		Day of Week Honday	Di	ate 9-25-95	5
Drilling Company Siece	>	Consulting Firm F4 95	W	ell # 82475 699-83-368	Rig# 61
Site 600 Cree		County Benton		tate Wa	
From To					
12:30	Sat	up and mix cement	with 4	To bontonite.	Emis
		Cement From 3' wo To	150 OF	well and a	cound.
14:00		Cement From 3' 40 To Mud weight checked	I with m	ual scales 14	1 15s/cal.
14:00	clea	n equipment, Tools a la well 6-80-39B	nd sile.	load load a	nd mob.
16:00		10 Well 6-80-39B	Secure 6	egypmani	
· .					
		· · · · · · · · · · · · · · · · · · ·			/
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NON-RECORD COPY

WELL REI	Page _1 of					
Date Well No. 09/21/95 699-83-36B	Rig Type/Model Rig No. #61	Contract/Work Order N MBGSWV372778	o. Start Card No. 3207	Report No B2475-01		
Purpose Decommissioning of Well-	Install bentonite of	erumbles Reference	e /A /A	Location 600 Area N/A		
Hole Size 5	N/A	mbles /A	Print & Sign Name T. McCoy/ & Other: T. Baker-He J. Carpente M. Walkup-W	lper Staco r-Helper Staco HC FIL -N/A		
Contractor TimeN/A Total Time 3,25 Hrs.	N,	/A		-N/A -N/A		
	Description of C) perations/Remarks				
1245-1600: Started filling cement lined 5.00° diameter cistern with bentonite crumbles. Installed 548 sacks. Cleaned and secured site for weekend.——N/A N/A						
Report By M.W Walkup Title Field Teat Lea		Reviewed By	SKOGLIE ing England	Date <u>09/28/95</u>		

NON-RECORD COPY

FIELD / WELL REMEDIA	Pa	ge 1 of 1					
Date Well No Rig Type: 09/25/95 699-83-368 S	Model Rig No. chram #61	Contract/Wor	rk Order No. 1372778	Start Card No. 32076	Report No. B2475-02		
Purpose			Reference		ation		
	ecommissioning of well-Install bentonite crumbles ap with cement and install brass locator pin.						
Hole Size Casing Size	Туре	Set At	Pers	onnel			
5		33.50	000	rator · M-A	Lic No. OOOO		
Total Depth N/A N/A N/A	N/A	-N/A -N/A	Prin	t & Sign Name (Acci	_ Lic No. <u>2222</u> eptance)		
Reference/Measuring Point			T.	McCoy/ D64.	/ ~		
Ground surface	N/A			en Baker-Helpe	V 1		
Start Time 0600 Hrs.	Materials Used			_	elper Staco		
	102-sacks crum		IM.	Walkup-WHC	FrL i		
End Time 1600 Hrs.	64-94.6 lb. sa	cks cemer	at	N/	Á		
TimeN/A	250 lbs. bento	111CO			'A		
Contractor TimeN/A	N/A			N/	'A		
Total Time 10 Hrs.	N/A			N/	A		
	Description of Ope	Brations/Remai	rks				
0600-0630: Safety meeting w	as held by Stac	crew	Topics d	iscussed inc	luded proper		
wire rope and strap inspectio	n		N/A-				
0630-1100: Mobilized to wel							
around cistern. An excavatio							
Specialist PNL was onsite to							
1100-1230: Kinished filling							
brought to 3.00° from TOC. 1							
1230-1400- Set up grouting					· · · · · · · · · · · · · · · · · · ·		
contained 4% powdered bentoni	_						
cavation around the cistern w							
brass locator pin							
1400-1600: Cleaned site to							
mahilimad to mall #600_80_30B			N /A				
20111201 to W111 W000 00 000	N/	/A					
N/A							
N/A							
N/AA							
N/A							
N/A							
Report By M.W. Waskup Reviewed By D. E. SKOGLIE							
Report By M.W. Walkup					- 0//		
Title Field Team Leader		Title 5/	· Drilling	Engineer	Date <u>09/29/95</u>		
Signature Date Date Date Date 09/29/95 Signature Douid E. Skralie							

WHC-SD-EN-AP-161, Rev 0, Appendix F

1	RESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-83-36B
	STRUCTURE FITNESS FOR USE CHECKLIST	Page 1 of 2
2.	Has a need for use of the well been identified and documented?	<u> </u>
1	I No I No potential user identified	
3.	is well presently in use?	
	I No I No use identified	
4.	is coning sealed in eccordance with IAW WAC 173-160-0757	
	(No) No documented annular seal	
	4a. Natural barriers preserved?	
	N/A Well terminates within upper sediments	
	4b. Aquifer/strata pentrated permanently sealed?	
	r No r No seals documented	
	4c. Annulus sealed against surface water? [No] No surface seal documented	•
1	4d. Casing overlep more than 8 ft; packed and grouted?	
	(N/A) Not applicable	
_	If not in use, is well supped IAW WAC 173-180-086?	
•••	(No) Not capped	
١.	le design and construction IAW WAC 173-180-500?	
ļ . .	[No No annularseal	
	Se. Securated formation/equifors not connected?	
	N/A Not applicable	
	6b. Cuttings/development water handled IAW WAC 173-303?	
1	ı N/A ı Not applicable	
	Gc. Well property indentified?	
	No No permanent identification	
7.	is surface protection IAW WAC 173-180-5107	
	No No surfaceseal documented	
	7a. Well capped and protected?	
1	(No) Not capped or protected	
	7b. Protective posts, surface pad or cover installed?	
	(_No) No posts or pad	
	7c. Surface protection waived or variance obtained?	
	(N/A) Not applicable	
1	7d. Is existing surface protection damaged?	
ł	(N/A) Not applicable	
8.	Are casing metarials IAW 173-160-520?	
ĺ	r N/A i Not applicable	
9.	Was drill rig/drilling equipment cleaned IAW WAC 173-160-5307	
l	I_N/A_I_Not applicable	
	9s. Drill rig/equipment casing/screen classed?	
	[N/A] Not applicable	
	9b. Fifter pack cleened? Meterial competible? [N/A] Not applicable	
	[N/A] NOT APPLICABLE A/CERCIA MONITORING WELL?	·
	A/CERCLA MONITORING WELL/ Does water sample from vertical screened interval represent horizontal	
19.	stratigraphy?	
	r_N/A r_Not_applicable	
	10a. Screened interval documented?	
	<u> N/A </u>	
į	10b. Vertical fithology documented?	
1	r No r Not documented	



WHC-SD-EN-AP-161, Rev 0, Appendix F

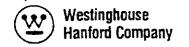
RESOURCE PROTECTION GROUNDWATER W	/ELL (1. Well No. 699-83-36B					
STRUCTURE FITNESS FOR USE CHECKLIS	T	Page 2 of 2					
11. is design and construction IAW WAC 173-180-5407		<u> </u>					
N/A Not applicable							
11a. Screen commercially febricated of material nonreactive to subsurface conditions? [N/A] Not applicable							
11b. If filter pack installed, extends from bottom of screen to at least 3 ft above screen.							
(N/A : Not applicable							
11c. Well has been developed.							
N/A : Not applicable							
11d. Annulus grouted with bentonite or bentonite/coment mixture. N/A Not applicable							
12. Does water sample meet established acceptance criterie?							
Sample is less than 5 NTU and sand free. N/A Not applicable							
13. Data Sources Used:		,					
Logo: Driller's: Not documented o	ete: C	ompany:					
Geologist: D							
Geophysical:D	ete: C	ompeny:					
Television: D	ete: C	ompany:					
Publications: Title, Author, Date							
HANFORD WELLS, M. A. Chamness and J. K. Mer	Z. August 199	3					
Databases:	****						
WHC Well Services		·					
	ete: <u>05/10/95</u> c	ompany: WHC					
Other:							
	· · · · · · · · · · · · · · · · · · ·						
14. Comments: Identify evaluation criterie addressed by number:							
							
							
							
		······································					
							
16. Statue Well is acceptable for intended use	ell lacks sea	ls					
Well is specifiable for intended use if variance is granted [N/A]	Not applicab						
·	ot applicable						
	ell has <mark>no id</mark> e	entified user					
Decommission, well is unneeded or cannot be remediated [Yes]	well has no io	dentified need					
Other Extreme safety hazard [] 0	pen top pit						
16. Status Recommendation. Done By: Name: T. J. Wood Title: Senio	r Engineer	Date: 06/30/95					
		A-8000-451R (06/93)					

WELL ATTRIBUTES REPORT

LAST INSPECTION **ELD ORDER NO** 1/1/1801 WELL ID B2472 **NORTHING** 148896.7 578849.5 **WELL NAME** 699-83-36C **CONST DATE EASTING** CONST DEPTH **ELEVATION** 129,5 **HOST WELL ID CURRENT INSPECTION INFORMATION** LAST INSPECTION INFORMATION WELL PAD WELL PAD ✓ ND* YES _J NO YES L_ NO BRASS SURVEY MARKER BRASS SURVEY MARKER ✓ ND* YES YES NO NO MARKER STAMPED WITH SURVEY DATA MARKER STAMPED WITH SURVEY DATA ✓ ND* YES YES J NO NO IMARKER STAMPED WITH WELL ID DATA MARKER STAMPED WITH WELL ID DATA □ NO ✓ ND* YES YES NO WELL LABELED WITH WELL ID WELL LABELED WITH WELL ID ✓ ND* YES NO YES NO WELL LABELED WITH WELL NAME WELL LABELED WITH WELL NAME ✓ ND* YES _ NO YES NO PROTECTIVE POSTS PROTECTIVE POSTS [] ✓ ND* YES NO YES NO REMOVABLE POST IN PLACE REMOVABLE POST IN PLACE ✓. ND* YES i J NO YES NO WELL LOCK WELL LOCK ✓ ND* YES NO YES NO WELL DAMAGED WELL DAMAGED ✓ ND* YES YES NO NO WELL IS DRY WELL IS DRY ✓ ND* YES YES NO PARTED CASING PARTED CASING YES ✓ ND* YES _ NO NO BENTONITE IN WELL BENTONITE IN WELL □ NO YES ✓ ND* YES NO WELL SANDED IN WELL SANDED IN ✓ ND* YES NO YES NO COLLAPSED CASING LAPSED CASING L. YES NO ✓ ND* YES NO EQUIPMENT IN WELL EQUIPMENT IN WELL ✓ ND* YES YES NO MO DEBRIS IN WELL **DEBRIS IN WELL** ✓ ND* YES QN [...] YES NO SURFACE EROSION SURFACE EROSION MAJOR _ NONE MAJOR 🗀 NONE MINOR ✓ ND* MINOR **CURRENT PUMP INFORMATION** LAST PUMP INFORMATION PUMP ACTIVITY PERFORMED PUMP ACTIVITY PERFORMED INSTALLED INSTALLED ✓ ND* REPLACED REPLACED REMOVED REMOVED PUMP TESTED PUMP TESTED ☐ YES □ NO ✓ ND* YES . 1 _ NO **NEW PUMP NEW PUMP** ✓ ND* YES YES NO NO ND* ACTIVITY PEFORMED BY ACTIVITY PEFORMED BY DATE ACTIVITY PERFORMED DATE ACTIVITY PERFORMED ND* PUMP TYPE PUMP TYPE PUMP MAKE ND* PUMP MAKE ND* PUMP MODEL PUMP MODEL PUMP INTAKE DEPTH (ft) PUMP INTAKE DEPTH (ft) TUBING SIZE (in) TUBING SIZE (in) ND* TUBING MATERIAL TUBING MATERIAL " BING LENGTH (ft) TUBING LENGTH (ft) ND* TUBING CONNECTION JING CONNECTION

WELL ATTRIBUTES REPORT

FIELD ORDER NO					LA:	ST INSPECTIO	ON 1/1	/1801
WELL ID	B2472				NO	RTHING	148	3896.7
WELL NAME	699-83-36C		CONST DATE		EAS	STING	578	849.5
HOST WELL ID			CONST DEPTH		ELE	EVATION	129	9.5
r	MEASUREMENT	INFORMATION				•		
		LAST	CURRENT	_	<u> </u>	<u> </u>		
A DEPTH TO WATER	(ft)							
DEPTH TO WATER	DATE		<u> </u>			· • • • • • • • • • • • • • • • • • • •		
B DEPTH TO BOTTO	۹(ft)							
DEPTH TO BOTTO!	M DATE			_	i i			
C STICK UP(ft)							A	
D REFERENCE MARK	(ft)							
REFERENCE MARK	IS TOC YES	NO :▼ ND*	YES NO	-			<u> </u>	В
	PERFORATION	INFORMATION						
CASING SIZE T	OP BOTTOM CL	JTS/FT/ROUND			▼ Dept	h to Water		
				·	H '-		<u>↓_</u>	
CHANGES								
					Depth to	Bottom of V		
				A DE	TH TO WATER	L FROM TOP OF		tom of Casing
						M OF WELL FRO		F CASING
	CASING INF	ORMATION				O GROUND SUI O SURVEY REF	-	
SIZE TOP	POTTOM	MATERIAL						
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONI	NECTION	THICKNES	<u>S</u>	
		- · · · · · · · · · · · · · · · · · · ·		-1	 ···- ·		~	
CHANGES								
					<u> </u>			
								-: \
						"- "-		·
	SCREEN INF	ORMATION						
SIZE TOP	BOTTOM	MATERIAL	т	YPE		SLOT SIZE	:	
!	· · · · · · · · · · · · · · · · · · ·							
CHANGES								
								



P.O. Box 1970 Richland, WA 99352

April 17, 1996

9651783

Mr. S. Leja, Hydrogeologist State of Washington Department of Ecology 1315 West Fourth Avenue Kennewick, Washington 99336

Dear Mr. Leja:

WELL DECOMMISSIONING COMPLETION REPORTS

Enclosed please find the Water Well Reports for the completion of decommissioning of the following wells:

199-F2-1; 199-F2-2; 699-S24-19B; 699-81-47; 699-83-36F; 699-97-47; 699-80-39B; 699-83-36B; 699-83-36C; 699-83-36D; 699-83-36E; 699-83-36; 699-50-28D; 699-84-61B; 699-96-52; 699-54-18E; 199-B4-2; 199-B4-3; 699-1B-92-01 through 699-1B-92-24; 699-80-62; 699-97-51B; 199-K-25; 699-49-12A; 699-49-12B; 699-43-41C; 699-43-42D; 699-43-42H; 699-43-42C; 699-43-42D; 699-43-42E; 699-43-42A; and 699-43-42B.

Included in this documentation package is the final as-built with a description of the decommissioning process.

Should you have any questions, please contact Mr. D. E. Skoglie of my staff at (509) 373-7496.

Very truly yours,

MG Garan

M. G. Gardner, Manager Well Services Hanford Technical Services

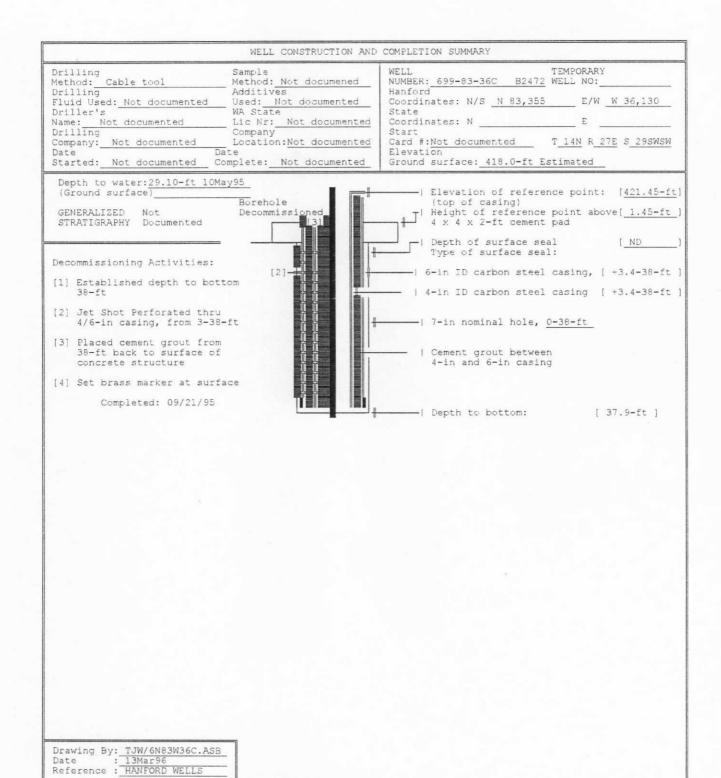
daf

Attachment

BHI - A. J. Knepp (w/o attachment)

PNL - S. P. Luttrell (w/o attachment)





SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-83-360

WELL DESIGNATION 699-83-36C Not applicable Not applicable N 93,355.00 W RCRA FACILITY CERCLA UNIT : HANFORD COORDINATES : LAMBERT COORDINATES :

36,130.00

DATE DRILLED Not documented

DEPTH DRILLED (GS):
MEASURED DEPTH (GS):
DEPTH TO WATER (GS): 38.0-ft 37.9-ft

29.10-ft, 10May95

6-in, carbon steel, +3.45-38.0-ft 4-in, carbon steel, +3.45-38.0-ft 421.45-ft CASING DIAMETER

ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL : SCREENED INTERVAL :

COMMENTS

421.45-II
418.0-ft, Estimated
Not applicable
Not applicable
FIELD INSPECTION, 10May95,
4-in carbon steel casing, with open welded flange installed,
4 x 4 x 2-ft cement pad, no post, no chain,
OTHER; Borehole Decommissioned by WHC Well Services: 09/21/95

AVAILABLE LOGS TV SCAN COMMENTS Not documented Not applicable Not applicable TV SCAN COMMENTS:
DATE EVALUATED:
EVAL RECOMMENDATION:
LISTED USE:
CURRENT USER: Decommissior. Not documented Not documented

PUMP TYPE None

MAINTENANCE Borehole Decommissioned

WESTINGHOUSE EXCAVATION PERMIT/100-95-035 HANFORD COMPANY BAAT 3. Location of Excavation 2. W.O./Project No. 1. Work Package No. FY95 WELL DECOMISSIONING 699-83-36B, 🎏, -D, -E, 699-97-47, site numbers RD1CA 45BN488, 45BN482, 3-164, and 3-151. 4. Originated By 5. Engineering Change Notice (ECN) WHC-SD-EN-AP-161, Rev O, Appendix F 09/19/95 D.E. SKOGLIE 6. Drawings Required (Identification Numbers) 7. Other Affected Drawings or Documents WELL DECOMMISSIONING PLANNED FOR FOURTH/FIRST N/A QUARTER FISCAL YEAR 1995/1996 WHC WELL 8. Description of Work DECOMMISSION WELLS PER FITNESS FOR USE CHECKLIST AND WASHINGTON ADMINISTRATIVE CODES (WAC-173-160). WORK WILL BE DOCUMENTED ON FIELD ACTIVITY REPORTS. 9. Special instructions or Comments (Including Safety Requirements found in WHC-CM-4-3, CM-8) WORK WILL BE CONDUCTED PER AN APPLICABLE JOB HAZARD ANALYSIS. 10. Excavation Requirements Planning Checklist (Check appropriate blocks to determine supplemental approvals) Will the excavation work: Yes No [X] limit access, padestrian or vehicle, to or from any area or building? (If yes, Occupational Health and Safety approval required.) Block 17 X be within 25 feet of the center line of the railroad track? (If yes, Track Maintenance approval required.) Block 16 be within the 600 Area? (If yes, 600 Area Landlord approval required.) Block 19 XX be under or immediately adjacent to any high voltage line or switching equipment? (If yes, Electrical Utilities approval required.) Block 20 EX be within or immediately adjacent to the boundaries of a security barrier or will uncover a security system for maintenance or modification? [If yes, Safeguards and Security approval required.] Block 21 be performed over, under, or immediately adjacent to any steam, sewer, or water utility lines? (If yes, Steam/Water Utilities approval required.) Block 22 |X| be performed in the vicinity of telecommunication lines? (If yes, IRM Plant Telephone approval required.) Block 23 be performed in areas other than existing utilities, buildings, water sites, and those required to remove existing surplus facilities? (If yes, Site Planning approval required.) Block 24

List Facilities, Services, and Utilities affected by Excavation	SUPPLEMENTAL APPROVALS	
SUBJECT WELLS WILL BE DECOMMISSIONED PER WAC	17. Occupational tisalth & Safety Date The Total Control of 12:50 09/18/45	_
	18. Track Maintenance Date	_
REQUIRED APPROVALS	N/A	
2. Cultural Resources Review (all Packages) Date	19. 600 Area Landlord Date	
1CRC # 95-600-017 DE SKOglin de Telecon 09/20/95	S-19-95	
3. Occupational Health & Safety (for W.O./Project Packages only) Date	20. Electrical Utilities Date	
1/A	N/A	
RWP Required Yes No [X]	21. Safeguards and Security Date N/A	
4. Environmental Assurance (for W.O./Project Packages only) Date 9-20-96	22. Steam/Water Utilities N/A	
5. Cognizant Engineer (for W.O./Project Packages only) Date DE. SKOGLIE DE Leoglie 09/19/95	23. IRM Plant Telephone (24 hours prior to start) N/A	
6. Facility/Plant Manager (for W.O./Project Packages only) Date	24. Site Planning Date	

A-7400-373 (06/92)

X

.l/A

WHC-SD-EN-AP-161, Rev O, APPENDIX F WELL LOCATION MAP

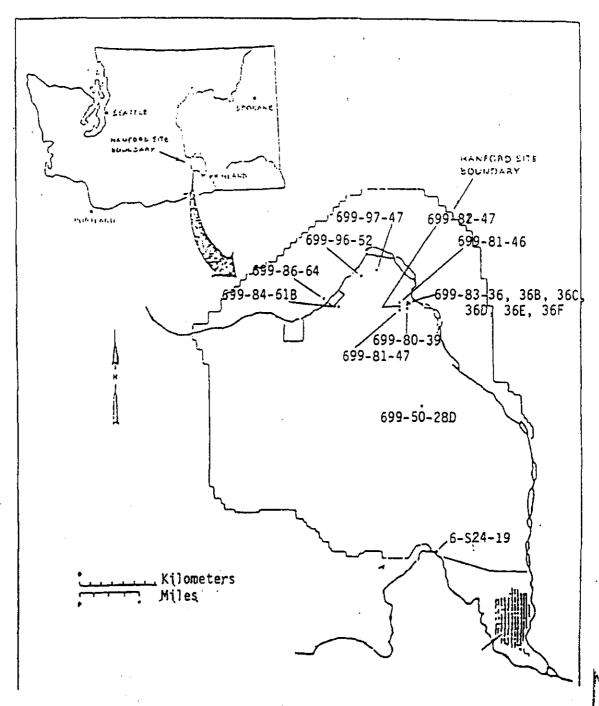


Figure 1. Location Map of Wells Selected for Decommissioning



DAILY DRILLING REPORT

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

WELL SERVICES NON-RECORD COPY Nº 10966

Staco Job #	945	Day of Week Wednesda	Date 9-20-95
Drilling Company		Consulting Firm F495	Well# 324 72 Rig # 6/
Site GOC	Cerve	County Benton	State we
From 6.00	To 06:30	Sofely meeting : Places	Jorace of Flammable liquids.
0630			perforating Calibrate The THAHO
F	0800	Multi-Gas Monitor. 1	
08:00			down a 30 radios around walls.
			biculor on well = 6.83-360
			10 Full: Cas manifox ony, LEL
	10:30	and H2S is OK.	,
10:30			Time Setperf. from 38' up To
		3' fac in 10 foot Sect.	ions. 4 perforations per foot.
	11:30	36 inch holes.	
11:30		Cut att flame and we	Il casing flush with 19,00f
	11:45	concrete pedestal.	

TIME RECORD **MATERIALS RECORD Locking Caps** Bullards Rigtime 5.75 level Cement Pure Gold **Protective Cover** diam. Drilling leve Completion level Flush Mount diam. quan. Hole Plug level **Bentonite Powder** Temp Casing diam. feet Decon level Moving Crumbles Threaded Casing diam. feet level **Drive Shoe** diam. feet Development Sand feet Site Prep level Perm Casing diam. Pellets 4 x 4 Concrete Pad Standby 1st 2 hrs. level **RedIMix EQUIPMENT RENTALS** level Standby after 2 hrs. D.O.T. Drums Samples level Decon Equip. Pump Hoist Generator level P.V.C. Well diam. sch Crane Truck level Compressor Water Truck Abandonment level diam. sch. S.S. Well Vac. Truck Down Hole Casing Cut 2.5' Blank Winch Truck Extra man hours level 5' Blank Perdiem 10' Blank Forklift Travel Time 20' Blank Backhoe Driller **Cuttings Tank** Terry MEW 5' Screen **Assistants** Sub. Test Pump 10' Screen Beker J. Corpenser OTHER Consultant 20' Screen Speaker entralizers THX 410 Total Hours Shift Start Od. O End Plug 5.75 Shift End 11:45 Slip Cape



DAILY DRILLING REPORT

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

	MAN DECADA CADY	78.70	44000
WELL SERVICES	NON-RECORD COPY	N '	11002
	11011 11200112 00: 8		

Staco Job # (7)	45	Day of Week Musdau	Date 9.21.95				
Drilling Company	Staco	Consulting Firm 195	Well# 82-472 Rig # 6/				
Site 600 a		County BINTON	State W.				
From	То						
09:15		Setus equation to	grout wer 699-83-36C				
		Mix and suns ceme	IT with 430 benisale From				
			32' up 15 190 of concrete predestal.				
			6 Bogs used checkedmed wright with much scales				
	10:00	14.1 165/cg/-	3				
			1				
			N				
			A				
			/·C				

MATERIALS RECORD	Locking Caps	TIME RECORD			ORD
ment 6 Bess	Bullards			Riatime 44	level
, ure Gold	Protective Cover	diam.	quan.	Drilling	level
Hole Plug	Flush Mount	diam.	quan.	Completion	level
Bentonite Powder 12 100/63 (is	Temp Casing	diam.	feet	Decon	level
Crumbles	Threaded Casing	diam.	feet	Moving	level
Sand	Drive Shoe	diam.	feet	Development	level
Pellets	Perm Casing	diam.	feet	Site Prep	level
RediMix	4 x 4 Concrete Pad			Standby 1st 2 hrs.	level
D.O.T. Drums	EQUIPMENT	RENTALS		Standby after 2 hrs.	level
	Decon Equip.			Samples	level
P.V.C. Well diam. sch	Generator			Pump Hoist	level
	Compressor			Crane Truck	level
S.S. Well diam. sch	. Water Truck			Abandonment	level
2.5' Blank	Vac. Truck			Down Hole Casing Cut	<u> </u>
5' Blank	Winch Truck			Extra man hours	leve
10' Blank	Forklift			Perdiem UPS	~
20' Blank	Backhoe			Travel Time 7	
5' Screen	Cuttings Tank			Driller Terry M	901
10' Screen	Sub. Test Pump			Assistants T. Raker	J. Carpenter
20' Screen	ОТІ	IER		Consultant	
`entralizers	arout Plant			larry SI	UCKCI
d Plug	17			Shift Start 9:15	Total Hours
Slip Caps				Shift End /0:00	l <i>•4</i> 5

WHC-SD-EN-AP-161, Rev O, Appendix F

	RESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-83-36C								
ĺ	STRUCTURE FITNESS FOR USE CHECKLIST	Page 1 of 2								
Z.	Z. Hes a need for use of the well been identified and documented?									
	No No potential user identified									
3.	, is well presently in use?									
	No 1 No use identified									
4.	le casing sealed in accordance with IAW WAC 173-180-075?									
l	No No documentation of annular seal									
ļ	4a. Natural barriers preserved? [N/A Well terminates within upper sediments									
	4b. Aquifor/strate powerated permanently seeled?	****								
}	(No 1 No seals documented									
1	4c. Annulus sealed against surface water?									
·	(No) No surface seal documented	•								
	4d. Casing overlap more than 8 ft; packed and grouted?									
	(N/A)Not applicable									
5.	If not in use, is well capped IAW WAC 173-160-0667									
	No 1Open top, welded flange									
6.	is design and construction IAW WAC 173-180-5007									
	No 1 No annular seal documented									
	6s. Seturated formation/aquifers not connected?									
	I N/A J Upper sediment colum Cuttings/development water handled IAW WAC 173-3037									
	N/A Drilled before applicable date of WAC 173	_303								
) 	6c. Wet properly indentified?	-303								
	No NO permanant identification									
7.	is surface protection IAW WAC 173-160-5107									
l	No No surface seal documented	!								
	7a. Well capped and protected?									
	(No)Open top no protection									
	7b. Protective poets, surface ped or cover installed?									
l	(NO) Concrete pedistal									
	7c. Surface protection waived or variance obtained?									
	[N/A] Not applicable 7d. We assisting surface protection demaged?									
	(N/A Not applicable									
BL	Are desing meterials IAW 173-180-520?									
~	N/A Not applicable									
9.	Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?									
ł	I N/A I Not applicable									
}	9s. Drill rig/equipment desing/screen diseased?									
}	(<u>N/A) Not applicable</u>									
!	9b. Pitter pack cleaned? Material competible?									
	(N/A) Not applicable									
	A/CERCLA MONITORING WELL?									
10	Does water sample from vertical acreened interval represent horizontal stratigraphy?									
	I N/A Not applicable									
	10s. Sereered interval documented?									
	No 1 Not documented									
ļ	10b. Vertical Rithology documented? (No 1 Not documented									
I	1 114 Appellion and									



A-6000-451 (06/9:

RESOURCE PROTECTION GROUN	1. Well No. 699-83-36C	
STRUCTURE FITNESS FOR US	Page 2 of 2	
11. Is design and construction IAW WAC 173-180-5407		
(N/A) Not applicable	the state of the s	
11a. Screen commercially fabricated of material nonreactive [N/A Not applicable		
11b. If filter pack installed, extends from bottom of screen N/A Not applicable	to at least 3 ft above screen.	
11c. Well has been developed.		
(N/A) Not applicable	· · · · · · · · · · · · · · · · · · ·	
11d. Annulus grouted with bentonits or bentonits/coment n	mixture.	
N/A Not applicable		······································
12. Does water sample meet established ecceptance criteria? Sample is less than 5 NTU and sand free. [N/A Not applicable		
13. Data Sources Used:		· · · · · · · · · · · · ·
	Date:	
Geologist:		
Geophysical:		
Television:	Date:	Company:
Publications: Title, Author, Date HANFORD WELLS, M.A. Chamness and	J K Mont Anguet	1993
MANTURE HELLS, M.A. CHAMBESS AND	A VICE TO WARRE	
Detabases:	<u>, , , , , , , , , , , , , , , , , , , </u>	
WHC Well Services		,
Field Check: WHC Well Sevices	Date: 05/10/	95 Company: WHC
Other:		
		· · · · · · · · · · · · · · · · · · ·
14. Comments: Identify evaluation criterie addressed by number	г.	
commission market a seminant alleste meditares fit intime	 -	
15. Status	. No . Mall laste	2 [2 2
Well is acceptable for intended use	No Well lacks	
Well is acceptable for intended use if variance is granted	N/A : Not application	
Rehabilitation required to continue intended use	No Not applica	
Remediation required to achieve intended use	No Well has no	o identified user
Decommission, well is unneeded or cannot be remediated	Yes Well has r	o identified need
Other	\}\	
16. Status Recommendation T. J. Wood	_ ты: <u>Senior Engineer</u>	Date: 06/30/95



GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST Page 1 of 2 Task No.: | Well No.: | B2472-

Project No.:	Task No.:	Well No.:	B2472-
FY95 WELL DECOMMISSIONING	RDICA		3-36C
WORK PLANNING/INITIATION: Remediate	⊠ Decommission	Completion Date or NR	Attachment Number or NA
Evaluation Checklist Approved:			
WHC-CM-7-7, Ell 6.6, "Resource Protection Well Cl Evaluation"	haracterization and	09/19/95	ECN# 611437
Engineering Specification Issued:		1.122.124	WHC-SD-EN
WHC-CM-6-1, EP-1.2, "Engineering Specifications"		11/23/94	AP-12Z
Letter of Instruction Issued:			
Ell 1.15, "Preparation of SOW/LOI"		09/07/93	W 372778
Authorization Work Order Issued:		/ -	/.
WHC-CM-2-5, Section 2.5, "External Work Orders"		NR	NA
Job Safety Analysis Completed:			4
WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"		11/15/94	08294
Hazardous Waste Operations Permit Issued:			,
WHC-CM-7-7, Eil 2.1, "Preparation of Hazardous W Permits"	·	NR	NA
Cultural Resources Review Completed/Variance Obtain	ned:	ml = /or	95-600 - 017
WHC-CM-7-5, 12.3, "Historical and Archaeological	Site Preservation*	09/20/95	7, -600 017
Endangered Species Review Completed/Variance Obt	ained:	-/10/05	95-600-046
WHC-CM-7-5, 12.4, "Plant and Wildlife Species on	the Hanford Site"	07/19/95	75-600-076
Excavation Permit Obtained:		09/19/95	600-95-035
WHC-CM-8-7, Section 503.1, "Excavation Permits"	· · · · · · · · · · · · · · · · · · ·	577773	60013-038
Radiation Work Permit Obtained:		10	NA
WHC-CM-4-10, Section 8.0, "Radiation Work Requi	rements and Permits"	NR	
ALARA Worksheet Completed		/-	//
WHC-CM-4-11, "ALARA Program Manual"		NR	NA
Start Card Transmitted:		-/	4
WAC 173-160-055, "Well Construction Notification	" (Start Card)	7/95	A 32073
Work Schedule Completed:			\ a 4
Project management software or equivalent		04/95	DEA
Retired Area Entry Permit Obtained:		/0	./^
WHC-CM-4-3, Standard G-10, *Retired Hanford Fac	ilities"	NR	NA
Training Requirements Completed:		- 11 -	101
WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry	Requirements"	04/95	264
Comments:			

STACO CONTRACT: W372778

The state of the s



APPROVALS: (Print/sign name and date)

Field Tares Lander Office Projects | Date

A-8000-472 (02/83

GROUNDWATER WELL REN DECOMMISSIONING CH			Page 2 o
Project No.: FY 95 WELL DECOMMISSIONING	nsk No.: RDICA	Well No.: 699-8:	
WORK PERFORMANCE/EVALUATION	1	Completion Date or NR	Attachme Number or
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drillin and Sampling Equipment"	g, Well Development	Prejob <u>NR</u> Postjob <u>NA</u>	NA
Material Verifications Completed: Applicable Engineering Specification, No. Liner Casing and Centralizers as Specified	Rev. <u>JA</u>	NR	NA
Cement Grout as Specified Appropriate Well Cap as Specified		09/21/95 NR NR	82472-0 NA
Air-Entrained Concrete for Pad as Specified Material Packaged and Stored as Specified Lubricants and Drilling Aids as Specified		NR NR	NA NA
Perforations Completed as Specified: Applicable Engineering Specification		09/20/95	82472-
Liner and Grout Installed as Specified: Applicable Engineering Specification		NR	NA
Pad/Posthole Excavation Completed: Applicable Engineering Specification		NR	NA
Concrete Pad, Reinforcing Material, and Inset Marker Car Specified: Applicable Engineering Specification	Installed as	NR	NA
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification		NR	N4
Guard Posts/Metal Sleeve Installed as Specified: Applicable Engineering Specification		NR	N4
Well Identification Stamped and Correct: Applicable Engineering Specification	Ę	09/21/95	B2472-0
Well Reports Complete and Submitted to State: WAC 173-160-050, "Records"		04/17/96	96517
Survey Complete, Survey Report Received and as Specifi Applicable Engineering Specification	ed:	NR	NA
Site Restored: Applicable Engineering Specification		09/21/95	sca
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Non Waste Disposal:	hazardous Solid	NK	NA
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commit	ment Control:	04/17/96	965178
Comments: NA			<u> </u>

ALL STATES

APPROVALS: (Print/sign name and date)

D.E. SKOGLIE/ Walled Linguis 04/17/96

Field Team Keader/Orilling Engineer Date

Control of the second s

and a company of

A-8000-472 (02/83) A-6000-472 (02/83)

خالها

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. __A32076 UNIQUE WELL LD. # B2472

	OWNER: Name U. S. Department of Energy	Richland, Washington 99352				
<u>'</u> _						
	LOCATION OF WELL: County Benton	SW 145W 145c 29 t 14 N, R 278 WM.				
(2a)	STREET ADDRESS OF WELL (or nearest atthese)					
(3)	PROPOSED USE: Domestic Industrial Municipal DeWater Test Well 20 Other	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION Formation: Describe by color, character, size of material and structure, and show thickness of equifers				
(4)	TYPE OF WORK: Owner's number of well 699-83-36C	and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.				
•	Abandoned X New well Method: Dug Bored	MATERIAL FROM TO				
	Despensed C Cable C Driven Driven Pecconditioned Pattery U Jetted C	Reference attached as-built.				
(5)	DIMENSIONS: Diameter of well 7 0 Inches.					
	Dritled 37.9 feet. Depth of completed well 37.9 ft.					
(6)	CONSTRUCTION DETAILS:	 				
	Casing installed: 6.0 Diam. from +3.4 ft. to 38.0 ft.					
	Welded ☐ Diam. fromft. toft. Liner installed ☐ * Diam. fromft. toft.					
		<u> </u>				
	Perforations: Yes X No Type of perforator used					
	SIZE of perforations 3/8 in. by 3/8 in.					
4	holes/f bertorations from 3.0 n. to 38.0 n.					
	perforations fromfL toft.					
	perforations from ft. to ft.					
	Screens: Yes No 🔛					
	Manufacturer's Name					
	Type Model No	WA				
	Diam Slot sizefromft. toft.	No.				
	Diam, Slot size trom ft. to ft.					
	Gravel packed: Yes No E Size of gravel					
	Gravel placed from ft. to ft.					
	Surface seal: Yes No No To what depth? it.					
	Material used in seal					
	Did any strate contain unusable water? Yes					
	Type of water? Depth of strata					
	Method of sealing strate off					
(r)	PUMP: Manufacturer's Name					
٠	Туре:					
(8)	WATER LEVELS: Land-surface elevation	Work Started 09/20/95 19. Completed 09/21/95 19.95				
	shove mean sea level t. Static level 29 1 ft. below top of well Date 05/95	WELL CONSTRUCTION OF PRINCIPLE				
	Artesian pressure be. per equare inch Date	WELL CONSTRUCTOR CERTIFICATION:				
	Artesian water is controlled by (Cap, valve, etc.)	I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and				
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	the information reported above are true to my best knowledge and belief.				
	Was a pump test made? Yes No Hyee, by whom? Yield:	NAME Westinghouse Hanford Company (PERSON, FRAN OR COMPONATION) (TYPE OR PRACT)				
	" " "	Address P.O. Box 1970 Richland, WA 99352				
	" " "	A -1011 1 -				
	Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	(Signed) A WELL DRILLER) License No. 1580				
T	Ime Water Level Time Water Level Time Water Level	Contractor's Registration				
		No				
		(USE ADDITIONAL SHEETS IF NECESSARY)				
	Date of test Baller test gal./min. with hrs. hrs.					
	Airlestgal./min. with stem sel atft. forhrs.	Ecology is an Equal Opportunity and Affirmative Action employer, For spe-				
	Artegian flow g.p.m. Date	cial accommodation needs, contact the Water Resources Program at (206)				
	Asmperature of water Was a chemical analysis made? Yes No	407-6600. The TDD number is (206) 407-6006.				
ECY	#Emperature of water Was a chemical analysis made? Yes ☐ No ☐ 050-1-20 (9/93) * * 1	407-0800. The TDD humber is (200) 407-0000.				

			CEN	IENT CALCULATION	NSNOR-RECORD	Page of		
Date			Well Number	Continuation of Report No.				
	9-21	-95	699-83-36C	82472-02				
1.0	CEM	ENT S	STAGE VOLUME C		,			
	1.1		ent Volume - Open	11		diameter of hole, inches = D		
			feet x 0.0408		= <u>20.89</u> Gallons o			
		_32	feet x 0.0054	154×10^{2} D ²	= 2.77 Cubic fee	t of cement required		
	1.2		ent Volume - Annul	· ·				
		_	tween Tubing and		diameter, inches; d = 0			
		_			diameter inches; d = 0			
					Casino, inches; d = OD			
		—	rtween Casings	1D = 1D of	owter Casing, inches; d	= OD of inner Casing, inches)		
		D =			of tubing strings			
						Gallons of cement required		
					_d ² xn)] =	Cubic feet of cement required		
2.0	SLU	RRY I	MIX CALCULATION	<u> S</u>	ad	1 155		
	2.1					3 /sack (mixed): <u>1.55</u>		
					sack (mixed) = 180			
i			•		5 % required) =(Total sacks required		
	2.2		ulate Mix Water	_				
						gallons of mix water required		
	2.3	Calc	ulate Additive Amo	unts OA	11 -	2) 6/ma		
		Type	Coment	i otal sacks x <u>~/ }</u> Cement	IDS/SACK X %	= 2.50 lbs. required		
		Туре				= lbs. required		
		n			Additive	Additive		
3.0			EMENT VOLUME C					
	3.1	Rala	nced Plug Displace		Mayoll -	to be displaced		
					rievel) =feet			
				oced) x	gallons of dis	splacement water required		
4.0	REN	IARK:	8					
=								
_								
-	٠.							
		 .						
—				······································		The state of the s		
Res	nort P	. ·	Taco PSC-		Reviewed By D.E. S.	Koalie.		
l			Terry Mcay		_			
			2 11 20		Signature David			
310	Ha (Ur	<u></u>	7011, 179	y	Orginature	and for		

DISTRIBUTION: White - File Custodian Yellow - Group Files

BC-6000-279 (3/93)

WELL ATTRIBUTES REPORT

ELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2473 699-83-36D					T DATE T DEPTH	LAST INSPECTION NORTHING EASTING ELEVATION	- - - - - -	1/1/1801 148893.3 578852.5 129.7	3	
L	AST INSPECTION	INFO	RMATIC	NC			CURRENT INSPECTION I	1FOR	1ATION		
WELL PAD			YES		NO	✓ ND*	WELL PAD	 :!	YES		NO
BRASS SURVEY MARK	ER		YES	[]	NO	✓ ND*	BRASS SURVEY MARKER	!	YES		NO
MARKER STAMPED WI	ITH SURVEY DATA		YES		NO	✓ ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED WI	ITH WELL ID DATA		YES		МО	✓ ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YES		NO	✓ ND*	WELL LABELED WITH WELL ID	i J	YES	Lü	NO
WELL LABELED WITH	WELL NAME	. =	YES		NO	✓ ND*	WELL LABELED WITH WELL NAME		YES		NO
PROTECTIVE POSTS		<u> </u>	YES	_	NO	✓ ND*	PROTECTIVE POSTS		YES		NO
REMOVABLE POST IN	PLACE		YES		NO	✓ ND*	REMOVABLE POST IN PLACE		YES		NO.
WELL LOCK			YES		NO	✓ ND*	WELL LOCK		YES		
WELL DAMAGED			YES	[]		✓ ND*	WELL DAMAGED		YES		NO
WELL IS DRY			YES		NO	✓ ND*	WELL IS DRY		YES	Ī	NO
PARTED CASING			YES		NO	✓ ND*	PARTED CASING		YES		NO
BENTONITE IN WELL			YES		NO	✓ ND*	BENTONITE IN WELL		YES		NO
WELL SANDED IN			YES		NO	✓ ND*	WELL SANDED IN		YES		NO
LAPSED CASING			YES		NO	✓ ND*	COLLAPSED CASING		YES		NO
EQUIPMENT IN WELL			YES		NO	✓ ND*	EQUIPMENT IN WELL				NO
DEBRIS IN WELL			YES	<u> </u>	NO	✓ ND*	DEBRIS IN WELL		YES		NO
SURFACE EROSION			MAJOF	١ 🗀	NONE		SURFACE EROSION		MAJOR		NONE
			MINOF	Y	ND*				MINOR	<u> </u>	
	LAST PUMP IN	IFORM.	ATION				CURRENT PUMP INFO	RMAT	ION		
PUMP ACTIVITY PERFORMED		INSTALLE					PUMP ACTIVITY PERFORMED		INSTA		
		_	REPLA			✓ ND*					
PUMP TESTED			REMO			1772	PUMP TESTED	<u></u>	REMO\		
NEW PUMP		<u></u>	YES				NEW PUMP	ļ	YES		NO
	DV	IND*	YES		NO	✓ ND*	ACTIVITY PEFORMED BY	<u></u>	YES		NO
ACTIVITY PEFORMED		IND.					DATE ACTIVITY PERFORMED				
DATE ACTIVITY PERF	ORMED	ND*					PUMP TYPE				
PUMP TYPE		ND*					PUMP MAKE	i			
PUMP MAKE		ND*									
PUMP MODEL	(A \						PUMP MODEL PUMP INTAKE DEPTH (ft)	ļ			
PUMP INTAKE DEPTH	(IC) 						TUBING SIZE (in)	ļ			
TUBING SIZE (in) TUBING MATERIAL		ND*					TUBING MATERIAL				-
" 'RING LENGTH (ft)			. ,				TUBING LENGTH (ft)				
		ND*					TUBING CONNECTION				
DING CONNECTION	•										

WELL ATTRIBUTES REPORT

FIELD ORDE	R NO						T INSPECTION	1/1/1801	
WELL ID		B2473		CONCT DATE			RTHING	148893.3	
WELL NAME		699-83-36D		CONST DEPTH			TING	578852.5	
HOST WELL	ענ			CONST DEPTH		. CLE	VATION	129.7	
		MEASUREMEN	IT INFORMATION		———		<u></u>		
			LAST	CURRENT		- 	<u> </u>		
A DEPTH TO V	WATER(ft)							
DEPTH TO V	WATER D	ATE							
B DEPTH TO B	BOTTOM(ft)							
DEPTH TO E	воттом	DATE					A		
C STICK UP(ft)								
DIREFERENCE	MARK(ft)		· · · · · · · · · · · · · · · · · · ·					
REFERENCE	MARK IS	TOC YES	NO ▼ NL	* TYES NO	}			В	
		PERFORATIO	N INFORMATION	V	1				
CASING SIZE	E TO	Р ВОТТОМ	CUTS/FT/ROUNI	D.		₩ Depti	n to Water		
						┨╵一	<u> </u>		
CHANGES									
						Depth to	Bottom of Well	₩	
								o Bottom of Casins	
							FROM TOP OF CAS M OF WELL FROM		
				·····	С ТОР	OF CASING T	D GROUND SURFA	CE/PAD	
		CASING I	NFORMATION		D TOP	OF CASING T	O SURVEY REFERE	NCE MARKER	
SIZE	TOP	воттом	MATERIAL	TYPE	CON	NECTION	THICKNESS		
								<u> </u>	
CHANGES									
		SCDEEN 1	NFORMATION				_		
		JCREEN I	III OKUASTON						
SIZE	TOP	воттом	MATERIAL	7	ГҮРЕ	!	SLOT SIZE		
			··	· · · · · · · · · · · · · · · · · · ·		·	·	<u></u>	
CHANGES				·····					



P.O. Box 1970 Richland, WA 99352

April 17, 1996

9651783

Mr. S. Leja, Hydrogeologist State of Washington Department of Ecology 1315 West Fourth Avenue Kennewick, Washington 99336

Dear Mr. Leja:

WELL DECOMMISSIONING COMPLETION REPORTS

Enclosed please find the Water Well Reports for the completion of decommissioning of the following wells:

199-F2-1; 199-F2-2; 699-S24-19B; 699-81-47; 699-83-36F; 699-97-47; 699-80-39B; 699-83-36B; 699-83-36C; 699-83-36D; 699-83-36E; 699-83-36; 699-50-28D; 699-84-61B; 699-96-52; 699-54-18E; 199-B4-2; 199-B4-3; 699-1B-92-01 through 699-1B-92-24; 699-80-62; 699-97-51B; 199-K-25; 699-49-12A; 699-49-12B; 699-43-41C; 699-43-42D; 699-43-42H; 699-43-42C; 699-43-42B; 699-43-42B; 699-43-42B; 699-43-42B.

Included in this documentation package is the final as-built with a description of the decommissioning process.

Should you have any questions, please contact Mr. D. E. Skoglie of my staff at (509) 373-7496.

Very truly yours,

MG Gara

M. G. Gardner, Manager Well Services Hanford Technical Services

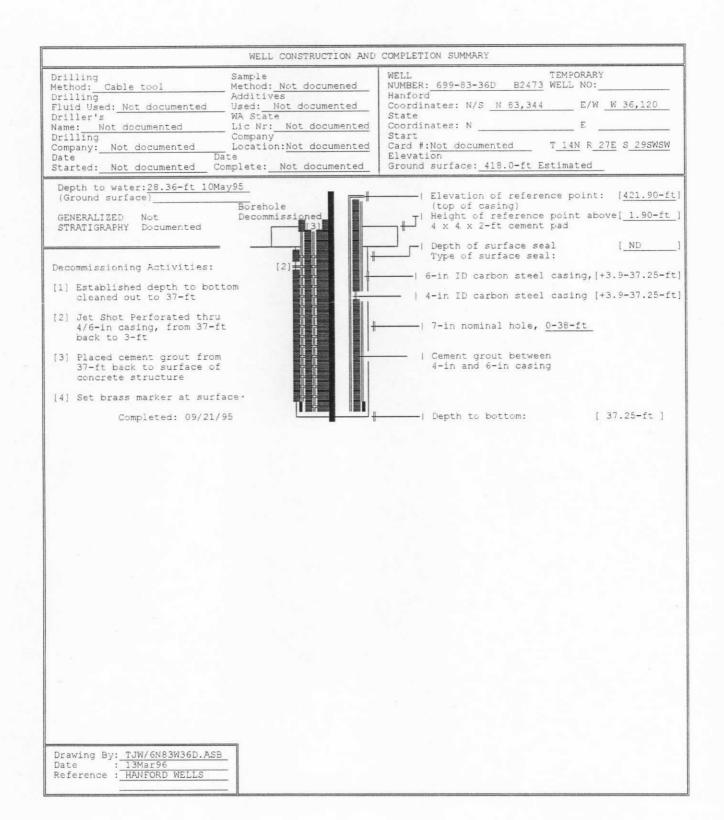
daf

Attachment

BHI - A. J. Knepp (w/o attachment)

PNL - S. P. Luttrell (w/o attachment)





SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-83-36D

WELL DESIGNATION 699-83-36D MEDIA DESTRUCTION
RORA FACILITY
CERCLA UNIT :
HANFORD COORDINATES :
LAMBERT COORDINATES :
DATE DRILLED : Not applicable Not applicable N 83,344.00 W

36,120.00

Not documented DATE DRILLED :
DEPTH DRILLED (GS):
MEASURED DEPTH (GS):
DEPTH TO WATER (GS): 37.25-ft 37.25-ft

28.36-ft, 10May95

6-in, carbon steel, +3.90-37.25-ft 4-in, carbon steel, +3.90-37.25-ft 421.90-ft CASING DIAMETER

ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL : SCREENED INTERVAL :

COMMENTS

421.90-ft
418.0-ft, Estimated
Not applicable
Not applicable
FIELD INSPECTION, 10May95,
4-in carbon steel casing, with open welded flange installed,
4 x 4 x 2-ft cement pad, no post, no chain,
OTHER; Borehole Decommissioned by WHC Well Services: 09/21/95

AVAILABLE LOGS TV SCAN COMMENTS DATE EVALUATED Not documented Not applicable Not applicable EVAL RECOMMENDATION : Decommission LISTED USE CURRENT USER Not documented Not documented

PUMP TYPE

MAINTENANCE Borehole Decommissioned

WESTINGHOUSE HANFORD COMPANY

B2473

EXCAVATION PERMIT/00-95-035

			- 4 C	
'. Work Pa RDICA	ckage No.	FY95 WELL DECOMISSIONING 699-83-3	of Excavation 16B, -C, FD , -E, 699-97-47, site no 45BN482, 3-164, and 3-151.	ımbers
4. Originati	ed By	Date	5. Engineering Change Notice (ECN)	
D.E. SK	OGLIE	09/19/95	WHC-SD-EN-AP-161, Rev 0, Appendix	F
6. Drawing	s Required (j	7. Other Affected Drawings or Documents WELL DECOMMISSIONING PLANNED FOR F QUARTER FISCAL YEAR 1995/1996 WHC	OURTH/FIRST WELL
8. Descript	DECO ADMI	· · · · · · · · · · · · · · · · · · ·	E CHECKLIST AND WASHINGTON	
9. Special	Instructions WORK	or Comments Uncluding Safety Requirements found in WHO WILL BE CONDUCTED PER AN APPLICA	BLE JOB HAZARD ANALYSIS.	
10. Excavat	ion Requires	nents Planning Checklist <i>ICheck appropriate blocks to deter</i>	mine supplemental approvals)	
Will the	excavation	work:		
Yes	No			
	X fimit as	coess, pedestrian or vehicle, to or from any area or building?	! (If yes, Occupational Health and Safety approval required.)	Block 17
	X be wit	hin 25 feet of the center line of the railroad track? (If yes,	Frack Maintenance approval required.) Block 18	
l (X)	be wit	hin the 600 Area? (If yes, 600 Area Landlord approval requ	ired.) Block 19	
	X be und	er or immediately adjacent to any high voltage line or switc	hing equipment? (If yes, Electrical Utilities approval required.)	Block 20
	De wit		barrier or will uncover a security system for maintenance or m	
		formed over, under, or immediately adjacent to any steam, val required.) Block 22	sewer, or water utility lines? (If yes, Steam/Water Utilities	
	X be per	formed in the vicinity of telecommunication lines? (If yes, N	RM Plant Telephone approval required.) Block 23	
[X]	be per Plannin	formed in areas other than existing utilities, buildings, water ng approval required.) Block 24	r sites, and those required to remove existing surplus facilities	? (If yes, Site
11. List Fac	ilities, Servi	ces, and Utilities affected by Excevation	SUPPLEMENTAL APPROVALS	
1	WELLS	WILL BE DECOMMISSIONED PER WAC	17 Occupational Health & Safety	Date
CODES.			In Telecon 00/19/95 12:50	09/18/95
			18. Track Maintenance	Date
		REQUIRED APPROVALS Review (all Packages) Date	N/A 19. 600-Ares-Landlord	Dete
		DE Skoeling de Telecon	P	9-19-95
HCRC #	tional Health) -017 09/20/95 A Safety (for W.O./Project Packages only) Date	20. Electrical Utilities	Date
N/A			N/A	
,		. □ No [X]	21. Safeguards and Security	Date 2
RWP Requir			N/A	Date
14. Environ	mental Assu	verice (for W.O./Project Packages only) 9-20-95	22. Steam/Water Utilities	1
15. Cogniza	ant Engineer	Ifor A.O./Project Packages only) Date	N/A 23. IRM Plant Telephone (24 hours prior to start)	Date
	KOGLIE		N/A	<u> </u>
6. Facility	Plant Mana	ger (for W.O./Project Packages only) Date	24. Site Planning	Date
N/A		Commence of the commence of th	1 at yancey	7-19-75
			()	A-1400-3/3 (00/82)

WHC-SD-EN-AP-161, Rev O, APPENDIX F WELL LOCATION MAP

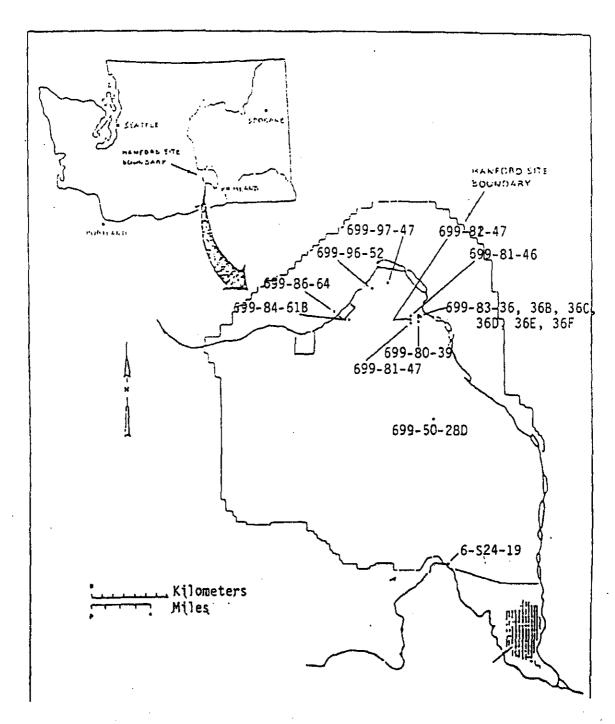


Figure 1. Location Map of Wells Selected for Decommissioning





NON-RECORD COPY DAILY DRILLING REPORT

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

WELL SERVICES ...

Nº 10972

Staco Job #	945	Day of Week wednes dec	Date 9-20-95
Drilling Compan		Consulting Firm F 995	Well# 52473 Rig # 6/
Site 60	Q Cerea	County Benton	State Wa.
From	То	·	
11:45		water down a 35' radios	acound walls. Weld flange on
	12:00	To well 6-83-36D.	
12:00		SET perf from 38 upis	3 Fgc. in 10 sections.
	13:00	4 Perforations per fo	
13:00			casing flush with Top of
	/3:/5	concrete produstal.	
		weil about with I	71 x 410 Multi-Gas Honitor
		oxy, LEL and it	
ł	ı		

MATERIALS RECORD	Locking Caps			TIME RECORD		
nent	Bullards			Rigtime / 5	level	
, ure Gold	Protective Cover	diam.	quan.	Drilling	level	
Hole Plug	Flush Mount	diam.	quan.	Completion	level	
Bentonite Powder	Temp Casing	diam.	feet	Decon	level	
Crumbles	Threaded Casing	diam.	feet	Moving	level	
Sand	Drive Shoe	diam.	feet	Development	level	
Pellets	Perm Casing	diam.	feet	Site Prep	level	
RediMix	4 x 4 Concrete Pad			Standby 1st 2 hrs.	level	
₫.O.T. Drums	EQUIPME	NT RENTALS	3	Standby after 2 hrs.	level	
	Decon Equip.			Samples	level	
P.V.C. Well diam. sch.	Generator			Pump Hoist	level	
	Compressor			Crane Truck	level	
S.S. Well diam. sch.	Water Truck			Abandonment	level	
2.5' Blank	Vac. Truck			Down Hole Casing Cut		
5' Blank	Winch Truck			Extra man hours	level	
10' Blank	Forklift L	<u> </u>		Perdiem		
20' Blank	Backhoe		•	Travel Time		
5' Screen	Cuttings Tank			Driller Terry MCC	vy	
10' Screen	Sub. Test Pump			Assistants T. Baker	J. Carpenter	
20' Screen	OTHER		Assistants J. Baker Consultant Naucy	_ /		
ntralizers	THY 410 MUT.	Cas marilar		Nancy	Sporce Ker	
J Plug				Shift Start //: 45 Shift End /3:/5	Total Hours	
Slip Caps				Shift End /3:/5	1.5	



NON-RECORD COPY DAILY DRILLING REPORT

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

Well services -

Nº 11004

Staco Job # (145	Day of Week Thursday	Date 9.21.95
Drilling Compar	y Staco	Consulting Firm \$1/96	Well# /3 2-4 73 Rig # 6
Site 600 at	rea.	County Bandon	State UL
From	То		
10:15		Place cement with 4%	bentonité in To weil 6-83-36 D
		From 32.3 up/o Too	of even concrete pudestal.
	10:30		with med scales 14.1 16s/cal.
/0:30			Tools. Return to pipe yard
	12:45	For sentonite coumbles	For well \$ 699-83-36B
	1/		
	<u> </u>		1/
بر	<u> </u>		A
			/ `

MATERIALS RECORD	Locking Caps			TIME REC	ORD
ment 6 Bess	Bullards			Rigtime 2.5	levei /
, ∵ure Gold	Protective Cover	diam.	quan.	Drilling	level
Hole Plug	Flush Mount	diam.	quan.	Completion	level
Bentonite Powder 3 /30/53 Ge	Temp Casing	diam.	feet	Decon	level
Crumbles	Threaded Casing	diam.	feet	Moving	level
Sand	Drive Shoe	diam.	feet	Development	level
Pellets	Perm Casing	diam.	feet	Site Prep	level
RediMix	4 x 4 Concrete Pad			Standby 1st 2 hrs.	level
D.O.T. Drums	EQUIPMENT	RENTALS	3	Standby after 2 hrs.	level
	Decon Equip.			Samples	level
P.V.C. Well diam. sch.	Generator			Pump Hoist	level
	Compressor			Crane Truck	level
S.S. Weli diam. sch.	Water Truck			Abandonment	level
2.5' Blank	Vac. Truck			Down Hole Casing Cut	
5' Blank	Winch Truck			Extra man hours	level
10' Blank	Forklift /			Perdiem US	
20' Blank	Backhoe			Travel Time	
5' Screen	Cuttings Tank			Driller Divid 7	19 (iv)
10' Screen	Sub. Test Pump			Assistants) Baker /	1. Carlo do
20' Screen	OTI	IER		Consultant	
antralizers	Grout Plant			/ Kunca De	aker
.id Plug				Shift Start /0.5	Total Hours
Slip Cape				Shift End 12.45	2.5

NON-RECORD COPY

	FIELD ACTIVITY REPORT – WELL REMEDIATION AND ABANDONMENT Page of						
	Well No.	, •	Rig No.	Contract/Wor		Start Card No	
09/20/95	699-83-36D	Schram	#61	I DEGEM	7372778 Reference	3207	6 B2473-01
Purpose Decommiss	ioning of well	-Jet Shot pe	rforate c	asing.	N/		600 Area
Hole Size	Casing Size	Туре		Set At		rsonnel	·
7"_	6"	C.S.		38.001	١,	serator to a	Listin noon
Total Depth 38_0	4" N/A	C.S. N/A		38.00° -N/A	_ Pr	int & Sign Name	Coy Lic No
Reference/Me				517 55		McCoy/ C	Ed for
Ground su	rface	N/	A		1		lper Staco
C+++ T	ime 1145 Hrs.	Materia	ls Used				r-Helper Staco
1	ime 1315 Hrs.				M	. Walkup-k	HC FTL
1	imeN/A		N/E	<u> </u>			-N/A
1			N/A				-N/A
1	imeN/A	1		<u> </u>			-N/A
lotali	ime <u>15 Hrs</u>		R/E				-W/ B
		De	scription of Op	erations/Rema	rks		
1145_13	115. Watered de	sem a 30 001	nadius a	ound the	um]]	Checked we	11 with TMX-410
,							or to be used for
							t perforated the
							holes/ft. Cut
off flans	e and also cut	off the wel	lcasing :	flush wit	h the to	p of the c	concrete
nedesta?	See attached	WHC "Hotwor	k Permit	" which w	aa used	for all co	tting and
	ctivities						
			N	/A			
			N	/A			
			N	/A			
			N	/h			
			N	/A			
	W/A						
N/A							
	N/A						
			N	/A			
Report D	M.W Walkup				By A	SKOGLIE	
	1 1	_//		TAL CO	λ. //	5	1 000 00/20/00
l .	Piolit Took Lo	to allen		Signature	Davis	1 & Stere	Date 09/28/95
1						0	

Distribution: White - Group File Custodian Yellow - Group Files Pink - Project Coordinator Goldenrod - Team Leader BC-6000-287 (02/90)

NON-RECORD COPY

	FIELD ACTIVITY REPORT – WELL REMEDIATION AND ABANDONMENT Page 1 of 1					Page 1 of 1	
	Well No. 699–83–36D	Rig Type/Model Schram	Rig No. #61		k Order No. 7372778	Start Card No 3207	Report No. B2473-02
Purpose Decommiss brass loc	ioning of well- ator pin	-Grout well	and insta A	all	ReferenceN/AN/A-		Location 600 Area N/A
Hole Size 7" Total Depth 38_0 Reference/Me Ground Bu Start T End T Contractor T Total T	Casing Size 6" 4" N/A	Type C.S. C.S. N/A Materia 6-94. 33 11	A	Set At 38.00° 38.00° -N/A	Personal Per	erator McCyt & Sign Name McCoy/ Deer: Baker-He Carpente: Walkup-W	ov Lic No. 2222 (Acceptance) Iper Staco r-Helper Staco HC FTL -N/A
brass loc 1030-12	culations. Grouted well from 32.30° to the top of the cement pedestal. Installed brass locator pinN/A 1030-1245: Cleaned grouting equipment and all tools. Travelled to Staco staging area at the WSS pipeyard to load bentonite crumbles for well #699-83-36BN/A						
	- 1		N	/A			
	N/AN/A						
	N/AN/A						
N/A							
	· · · · · · · · · · · · · · · · · · ·		N	<u>/A</u>	\		
	M(W. Walkup C					SKOGLIK. 6 Engine 18 Jang	u Date 09/21/95

WHC-SD-EN-AP-161, Rev 0, Appendix F

RESOURCE PROTECTION GROUNDWATER WELL 1. Well No. 699-83-36D			
STRUCTURE FITNESS FOR USE CHECKLIST	Page 1 of 2		
2. Has a need for use of the well been identified and documented?			
t No i No potential user identified			
3. Is well presently in use?			
ı No ı No use identified			
4. Is cating sealed in accordance with IAW WAC 173-160-0757			
No No documentation of annular seal			
N/A Well terminates within upper sediments	1		
4b. Aguiller/strate pentrated permanently sessed?			
(No) No seals documented	j		
· 4c. Annulus sealed against surface water?			
No No surface seal documented			
4d. Casing overlap more than 8 ft; packed and grouted?			
1 N/A 1 Not applicable			
6. If not in use, is well capped IAW WAC 173-160-0857			
I No I Open top, welded flange 6. Is design and construction IAW WAC 173-180-500?			
1 No 1 No annular seal documented	j		
Se. Suburated formation/equifers not connected?			
(N/A Upper sediment colum			
6b. Cuttings/development water handled IAW WAC 173-303?			
N/A Drilled before applicable date of WAC 173	-303		
8c. Well properly indentified?			
1 No 1 NO permanant identification			
7. Is surface protection IAW WAC 173-160-510?	}		
1 No 1 No surface seal documented			
7s. Well capped and protected? [No] Open top no protection	ſ		
7b. Protective posts, surface and or cover installed?			
NO Concrete pedistal	ł		
7c. Surface protection welved or variance obtained?			
N/A Not applicable	· · · · · · · · · · · · · · · · · · ·		
7d. Is existing surface protection damaged?			
1 N/A 1 Not applicable			
8. Are casing materials IAW 173-180-520?			
[N/A] Not applicable Was dell' delibration and impact glassed IAW WAC 173-180-530?			
9. West drift rig/drifting equipment cleaned IAW WAC 173-180-6307 (N/A) Not applicable			
9s. Drill rig/equipment casing/screen cleaned?			
N/A Not applicable			
9b. Filter pack cleaned? Material compatible?			
(N/A) Not applicable			
RCRA/CERCLA MONITORING WELL?			
10. Does water sample from vertical screened interval represent horizontal strationary?			
N/A Not applicable			
10s. Screened interval documented?			
No 1 Not documented			
10b. Vertical lithology documented?			
No Not documented			



A-6000-451 (06/93)

WHC-SD-EN-AP-161, Rev 0, Appendix F

RESOURCE PROTECTION GROUNDWATER WELL		1. Well No. 699-83-36D
STRUCTURE FITNESS FOR USE	CHECKLIST	Page 2 of 2
11. Is design and construction IAW WAC 173-160-540?		
(N/A) Not applicable		
11a. Screen commercially fabricated of material nonreactive	to subsurface conditions?	
r N/A r Not applicable	······································	
11b. If filter pack installed, extends from bottom of screen t	to at least 3 ft above screen.	•
N/A Not applicable 11c, Well has been developed.		
I N/A Not applicable		
11d. Annulus grouted with bentonite or bentonite/cement m	abiture.	
(N/A Not applicable		
12. Does water sample-meet established acceptance criteria?		· · · · · · · · · · · · · · · · · · ·
Sample is less than 5 NTU and sand free. N/A Not applicable		
13. Data Sources Used:		
Logs: DelBars: Not documented	Date:	Company:
Geologist:	Date:	Company:
Geophysical:		
Television:		
Publications: Title, Author, Date		ĺ
HANFORD WELLS, M.A. Chamness and	<u>J. K. Merz. August</u>	1993
Databases: WHC Well Services		
Field Check: WHC Well Sevices	n 05/10/	95 Company WHC
Other:	Date: 00/10/	Company: WITO
Cutal,		
14. Comments: Identify evaluation criteria addressed by number		
<u> </u>		
		
15. Status	No Well lacks	seals
Well is acceptable for intended use	N/A Not appli	
Well is acceptable for intended use if variance is granted	No Not soulis	
Company of the contract of the		o identified user
Remediation required to echieve intended use		no identified need
Contraction of the Contraction o	res y werr nas	1441111114 1144
16. Status Recommendation	\	
Done By: Name: T. J. Wood	Title: Senior Enginee	r Date: 06/30/95
		A-6000-451R (06/93)



DECOMMISSIONING CHECKLIST				
Project No.: FY 95 WELL DECOMMISSIONING	Task No.: RDICA	Well No.: 699-85	B2473	
WORK PLANNING/INITIATION: Remediate	☑ Decommission	Completion Date or NR	Attachment Number or NA	
Evaluation Checklist Approved:				
WHC-CM-7-7, Ell 6.6, "Resource Protection Well C Evaluation"	Characterization and	09/19/95	ECN* 611437	
Engineering Specification Issued:		11/22/24	WHC SD-EN	
WHC-CM-6-1, EP-1.2, "Engineering Specifications"		11/23/94	AP-12Z	
Letter of Instruction Issued:				
Ell 1.15, "Preparation of SOW/LOI"		09/07/93	W 372778	
Authorization Work Order Issued:		/-	/.	
WHC-CM-2-5, Section 2.5, "External Work Orders'	ч	NR	NA	
Job Safety Analysis Completed:				
WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"		11/15/94	08294	
Hazardous Waste Operations Permit Issued:		<u> </u>	,	
WHC-CM-7-7, Ell 2.1, "Preparation of Hazardous V Permits"	NR	NA		
Cultural Resources Review Completed/Variance Obta	ined:			
WHC-CM-7-5, 12.3, "Historical and Archaeological	Site Preservation"	09/20/95	95-600-017	
Endangered Species Review Completed/Variance Obt	tained:	1 - 1	05 100 011	
WHC-CM-7-5, 12.4, "Plant and Wildlife Species on	the Hanford Site"	07/19/95	95-600-046	
Excavation Permit Obtained:		10/0/0	600-95-035	
WHC-CM-8-7, Section 503.1, "Excavation Permits"	#	09/19/95	1600- 73-033	
Radiation Work Permit Obtained:		/-	/.	
WHC-CM-4-10, Section 8.0, "Radiation Work Requ	irements and Permits"	NR	NA	
ALARA Worksheet Completed		,	/.	
WHC-CM-4-11, "ALARA Program Manual"		NR	NA	
Start Card Transmitted:	""	_/		
WAC 173-160-055, "Well Construction Notification	n" (Start Card)	7/95	A 32073	
Work Schedule Completed:	"" " _ " _ " _ " _ " _ " _ " _ " _ " 	1		
Project management software or equivalent		04/95	DEA	
Retired Area Entry Permit Obtained:		1 /2	./.	
WHC-CM-4-3, Standard G-10, "Retired Hanford Facilities"			NA	
Training Requirements Completed:		,		
WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry	04/95	DES-		
Comments:			*********************************	

GROUNDWATER WELL REMEDIATION/

STACO CONTRACT: W372778



APPROVALS: (Print/sign name and date)

2.8 Stocks / Ward Maglie 09/20/95

Field Tage Lander/Ording Englisher / Date

A-6000-472 (02/83)

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST		Page 2 of 2
roject No.: Task No.: PY 95 WELL DECOMMISSIONING RDICA	Well No.:	83-36D
WORK PERFORMANCE/EVALUATION	Completion Date or NR	Attachment Number or NA
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drilling, Well Development and Sampling Equipment"	Prejob NK Postjob NR	NA
Material Verifications Completed: Applicable Engineering Specification, No. A Rev. A Liner Casing and Centralizers as Specified Cement Grout as Specified Appropriate Well Cap as Specified Air-Entrained Concrete for Pad as Specified Material Packaged and Stored as Specified Lubricants and Drilling Aids as Specified Perforations Completed as Specified:	NR 09/21/95 NR NR NR NR	NA B2473-02 NA NA NA NA
Applicable Engineering Specification	0 9/20/95	BZ473-01
Liner and Grout Installed as Specified: Applicable Engineering Specification	NR	NA
Pad/Posthole Excavation Completed: Applicable Engineering Specification	NR	NA
Concrete Pad, Reinforcing Material, and Inset Marker Cap Installed as Specified: Applicable Engineering Specification	NR	NA
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification	NR	N4
Guard Posts/Metal Sleeve Installed as Specified: Applicable Engineering Specification	NR	NA
Well Identification Stamped and Correct: Applicable Engineering Specification	09/21/95	B2473-02
Well Reports Complete and Submitted to State: WAC 173-160-050, "Records"	04/17/96	9651783
Survey Complete, Survey Report Received and as Specified: Applicable Engineering Specification	NR	NA
Site Restored: Applicable Engineering Specification	09/21/95	DEA
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Nonhazardous Solid Waste Disposal:	NR	NA
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commitment Control:	04/17/96	965/783
Comments: NA		
APPROVALS: (Print/sign name and date) DIE SKOGLIE/ Dund E Menster 04/17/96 Field Team Leader/Drilling Engineer Data	Antonia proprieda Antonia proprieda de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composició	

A-6000-472 (D2/93)

File Original and First Copy with Department of Ecology Second Copy --- Owner's Copy Third Copy --- Driller's Copy

ECY 050-1-20 (9/93) * * 1

WATER WELL REPORT

Start Card No.	A32076
ilimone men i n	B2473

STATE OF WASHINGTON

_www N/A

Inter	Oob) Driller a Oobj	Water Hight Permit No		
	OWNER: Name_U. S. Department of Energy Add	Richland, Washington 99352		
(2)	LOCATION OF WELL: Courty Benton	SW 1/4 SW 1/4 Bec 29 T. 1	4 N.R.	27K w.m.
2a)	STREET ADDRESS OF WELL (or represed publisheds)	**		
3)	PROPOSED USE: Domestic Industrial Municipal I	(10) WELL LOG or ABANDONMENT PROCEDURE DE	ESCRIPTION	ON
(4)	TYPE OF WORK: Owner than one) Type of work (I more than one)	Formation: Describe by color, character, size of material and structure, and and the kind and nature of the material in each stratum penetrated, with a change of information.		
7,	(If more than one)	MATERIAL	FROM	TO
	Abandoned CK New well Method: Dug C Bored C Despend C Cable C Driven C Reconditioned C Rotary C Jetted C	Reference attached as-built.		
5)	DIMENSIONS: Diameter of well inches.			
	Drilled 37.2 feet. Depth of completed well 37.25 ft.			/
6)	CONSTRUCTION DETAILS:			<u> </u>
	Casing installed: 6.0 Diam. from +3.9 ft. to 37.25 ft.			
	Perforations: Yes 🗵 No 🗌			
	Type of perforation used <u>Jet Shot</u> SIZE of perforations 3/8 in. by 3/8 in.			
4	SIZE of perforations $3/8$ in. by $3/8$ in. holes /f perforations from 3.0 it. to 37.0 it.		 -	
	perforations fromft_ toft_			
	Screens: Yes No 😡			
	Manufacturer's Name			
	Type Model No. Diarn. Slot size from ft. to ft.			
	Diam. Slot size from ft. to ft.			
-	Gravel packed: Yes No Size of gravel	7		
	Gravel placed from tt. to tt.			
	Surface seat: Yes No To what depth?ft.			
	Did any strata contain unusable water? Yes No No			
	Type of water? Depth of strata			. "
	Method of sealing strate off			
7)	PUMP: Manufacturer's Name	/		
	Type: H.P.			
(8)	WATER LEVELS: Land-surface elevation above meet see level	Work Started 09/20/95 19. Completed 09/2	1/95	19.95
	Static level 28,36 R. below top of well Date 05/95 Artesian pressure Date Date	WELL CONSTRUCTOR CERTIFICATION:		
	Anestan water is controlled by (Cap, valve, etc.)	i constructed and/or accept responsibility for construction compliance with all Washington well construction standards		
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yee No fit yes, by whom? Yield: gal/min. with fit drawdown after hrs.	the information reported above are true to my best knowledge NAME Westinghouse Hanford Company (PERSON PRIM OR CORPORATION) TYPE OR		1.
	" " " " " " " " " " " " " " " " " " "	D 0 D 4070 D4 13 144		3
	" " "	1 - 18 11 1		
	Recovery data (time taken as zero when pump turned all) (water level measured from well	(Signed) Navid Strogge Licens	No. 158	30
7	top to water level) ime Water Level Time Water Level Time Water Level	Contractor's Registration	/	<i>a</i> /
		No N/A Date	∸	. 19 <u>96</u>
	Date of test	(USE ADDITIONAL SHEETS IF NECESS	ARY)	
	Sailer testgai./min. with ft. drawdown after hrs.	Follows to the Foundation of the Control of the Con	_ 	F
	Airlest gal./min. with stem set at ft. for hrs.	Ecology is an Equal Opportunity and Affirmative Action class accommodation needs, contact the Water Resource	employer. s Program	ror spe- et (206)
	Artestan flow g.p.m. Date	407-5600. The TDD number is (206) 407-6006.		(/
•	- Initiperature of meter: reas a minimum strangers (MEDE 100 [] NO []			_

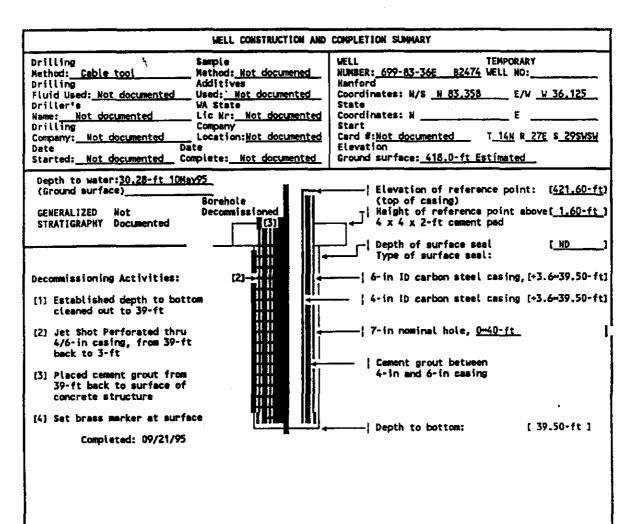
			FIEL CEN	D ACTIVITY REPOR IENT CALCULATIO	NS NON-RECORD COP
Dete			Welf Number	Continuation of Report No.	
9-	21-	75	B2473 699-83-36 D	82473-02	
1.0	CEM	ENT :	STAGE VOLUME C	ALCULATIONS	
	1.1		ent Volume - Open	Hole/Casing	1D of casing or diameter of hole, inches - D
		<u> 32.</u>	3 feet x 0.0408	$\times /(\rho D^2)$	= <u>A.69</u> Gallons of cement required
		32	3_ feet x 0.0054	154 x <u>//</u> D ²	= <u>220</u> Cubic feet of cement required
	1.2	Cem	ent Volume - Annul	ar Spaces	
		□ Be	ntween Tubing and	Hole (D = Hole o	diameter, inches; d = OD of Tubing, inches)
		□Ве	tween Casing and	Hole (D =)Hole (diameter, inches; d = OD of Casing, inches)
		□Ве	stween Tubing and	Casing (D/4 19 of	Casing, inches; d = OD of Tubing, inches)
		□Ве	etween Casings	1D = 1D of	outer Casing, inches; d = OD of inner Casing, inches)
		D =		n = Number	of tubing strings
			feet x 0.0408	x[D² -(_d ² x ⁿ)} = Gallons of cement required
		=			d ² xn }] = Cubic feet of cement required
2.0	SLU	RRY I	MIX CALCULATION	IS	
	2.1	Calc	ulate Sacks of Cem	ent Type: <u>I- II</u>	lbs/sack: <u></u>
		3.	ft ³ (cement - fi	rom 1.0) / <u>/.55</u> ft ³ /	sack (mixed) = 1.82 sacks
		1.8	2 sacks + 3.1	sacks excess)	8 % required) = Total sacks required
	2.2	Calc	ulate Miv Water		
			n Total sacks cer	ment x $\frac{78}{}$ gallons	water/sack = 40.8 gallons of mix water required
	2.3	Calc	ulate Additiva Amo	unte /	1
		Туре	Benjonite (Total sacks x 94	lbs/sack x 4 % = 3.5 lolbs. required
			Cement	Cement	Additive Additive
		Туре	Cement	Total sacks x	lbs/sack x % =lbs. required
3.0	DIŞ	PLAC	EMENT VOLUME C		
	3.1	Bala	nced Plug Displace	ment	
			ft. (top of cem	ent) - ft. (wate	er level) = feet to be displaced
					=galleris of displacement water required
4.0	REN	AARK			
		· , ,,,,,	_	W.	
	_				
					
_					
-					
					<u> </u>
Rep	ort B	ly	Teny Macy		Reviewed By D.F. SKOGLIE
Title	8	<u>ー</u>	cillec		Title St. Drilling Engineer Date 09/28/95
Sion	natur	صـــــ تــــ e	cilled		Signature David & Skoglie
					J

WELL ATTRIBUTES REPORT

ELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2474 699-83-36E				CONS			LAST INSPECTIO NORTHING EASTING ELEVATION		1/1/1801 148897.6 578851 129.6		
	AST INSPECTIO	N INFO	RMATI	ON				CURRENT INSPECTION IN	FORM	IATION		i
WELL PAD			YES		NO	¥	ND*	WELL PAD	1.1	YES		NO
BRASS SURVEY MARK	CER 		YEŞ	=	NO	✓	ND*	BRASS SURVEY MARKER	_	YES		NO
MARKER STAMPED W	ITH SURVEY DATA	[]	YES	 i	NO	~	ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED W	ITH WELL ID DATA	1	YES		NO	~	ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YEŞ		NO	~	ND*	WELL LABELED WITH WELL ID		YES		NO
WELL LABELED WITH	WELL NAME	; C:	YES		NO	~	ND*	WELL LABELED WITH WELL NAME		YES		NO
PROTECTIVE POSTS			YEŞ		NO	~	ND*	PROTECTIVE POSTS		YES		NO .
REMOVABLE POST IN	PLACE	-	YES		NO		ND*	REMOVABLE POST IN PLACE		YES		NO
WELL LOCK		. 🗆	YES		NO		ND*	WELL LOCK		YES		NO
WELL DAMAGED			YES		NO		ND*	WELL DAMAGED		YES		
WELL IS DRY			YES		NO		ND*	WELL IS DRY		YES		NO
PARTED CASING			YES		NO		ND*	PARTED CASING		YES	-=	NO
BENTONITE IN WELL			YES		NO		ND*	BENTONITE IN WELL		YES	_ <u></u> _	NO
WELL SANDED IN			YES				ND*	WELL SANDED IN		YES	=	NO
LAPSED CASING			YES		NO		ND*	COLLAPSED CASING		YES		
EQUIPMENT IN WELL		<u> </u>	YES		NO		ND*	EQUIPMENT IN WELL	=	YES		NO
DEBRIS IN WELL	- 		YES		NO		ND*	DEBRIS IN WELL	=	YES		NO
SURFACE EROSION		-!	MAJO	()				SURFACE EROSION		MAJOR		NONE
:			MINO						ت	MINOR	_	
	LAST PUMP IN	NFORM	ATION					CURRENT PUMP INFOR	MAT	ION		
PUMP ACTIVITY PERF	ORMED	-	INST	ALLED)			PUMP ACTIVITY PERFORMED		INSTAL	LED	
		1.5	REPL			Y	ND*	İ		REPLAC		į
PUMP TESTED		<u>l. 1</u>	REMO)VED				PUMP TESTED		REMOV		· · · · ·
NEW PUMP		1 17	YES		NO		ND*	NEW PUMP		YES		NO
ACTIVITY PEFORMED	RY	 ND*	YES		NO		ND*	ACTIVITY PEFORMED BY		YES		NO
DATE ACTIVITY PERF		-		- · · · · <u>-</u> ·				DATE ACTIVITY PERFORMED				!
PUMP TYPE	Ora ILD	: ND*						PUMP TYPE				
PUMP MAKE		ND*						PUMP MAKE				
PUMP MODEL		ND*					.,	PUMP MODEL				· · ·
PUMP INTAKE DEPTH	<u>(</u> 由)							PUMP INTAKE DEPTH (ft)				:
TUBING SIZE (in)								TUBING SIZE (in)				
TUBING MATERIAL		ND*						TUBING MATERIAL				·
"I'SING LENGTH (ft)								TUBING LENGTH (ft)	··· ·			
JING CONNECTION		ND*			·			TUBING CONNECTION				!
								1				

WELL ATTRIBUTES REPORT

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2474 699-83-36E		ONST DATE	· ···	LAST INSP NORTHIN EASTING ELEVATIO	G	1/1/1801 148897.6 578851 129.6	
	MEASUREMEN	TINFORMATION		· · · · · · · · · · · · · · · · · · ·		<u> </u>		
		LAST	CURRENT		<u></u>	c	į	
A DEPTH TO WATER	(ft)					↓		
DEPTH TO WATER	DATE			1				
B DEPTH TO BOTTOM	M(ft)							
DEPTH TO BOTTO						А		1
C STICK UP(ft)			·	_ [}	
D REFERENCE MARK	(ft)		!					
REFERENCE MARK	IS TOC YES	NO ▼ ND*	YES NO]]			B	
	PERFORATIO	N INFORMATION						
CACING STZE: T	ОР ВОТТОМ	CUTS /ET / DOUND						!
CASING SIZE T	OP BOTTOM	CUTS/FT/ROUND			▼ Depth to W	ater	ļ	
CHANGES				! —	Depth to Botto	m of Well	}	
							Bottom of Ca	asinį.
					H TO WATER FROM			!
					H TO BOTTOM OF W OF CASING TO GROU			
	CASING I	IFORMATION		D TOP C	OF CASING TO SURV	EY REFERE	NCE MARKER	
SIZE TOP	воттом	MATERIAL.	TYPE	CONNE	ECTION THI	CKNESS		
	··							
CHANGES								
	SCREEN I	NFORMATION						
SIZE TOD	POTTOM	MATERIAL	-	TYPE	. 616	T CTTE		
SIZE TOP	воттом	MATERIAL	:	ITE	31.0	T SIZE		
							_	
CHANGES								
		<u> </u>						



Drawing By: TJW/6N83W36E.ASB Date: 13Mar96

Reference : HANFORD WELLS

7

WHC-SD-EN-AP-161, Rev 0, Appendix F

WELL CONSTRUCTION AND	COMPLETION SUMMARY
Drilling Sample Method: Cable tool Hethod: Not documented Drilling Additives Fluid Used: Not documented Used: Not documented Driller's WA State Name: Not documented Lic Nr: Not documented Drilling Company: Not documented Location: Not documented Date Date Started: Not documented Complete: Not documented	WELL TEMPORARY NUMBER: 699-83-36E 82474 WELL NO: Hanford Coordinates: N/S N 83.358 E/W W 36.125 State Coordinates: N E Start Card #:Not documented T 14N R 27E S 29SWSH Elevation Ground surface: 418,0-ft Estimated
Depth to water:30.28-ft 10Msv95 (Ground surface) GENERALIZED Driller/Geologist's STRATIGRAPHY Log 0-37.25-ft Not documented DTB T	Elevation of reference point: [421.60-ft] (top of casing) Height of reference point above[1.60-ft] 4 x 4 x 2-ft cement pad Depth of surface seal
Drawing By: TJW/6H83W36E.ASB Date : 22Jun95 Reference : HAMFORD WELLS	



HANFORD C	OMPANY	82474		EXCAVATION PERMIT (00-95-035
1. Work Package No. RDICA	2. W.O./Project N FY95 WELL D		699-83-	of Excavation 36B, -C, -D, -E, 699-97-47, site numbers , 45BN482, 3-164, and 3-151.
4. Originated By			Date	5. Engineering Change Notice (<i>ECN</i>) WHC-SD-EN-AP-161, Rev O, Appendix F
D.E. SKOGLIE 6. Drawings Required	Identification Number		9/19/95	7. Other Affected Drawings or Documents
N/A	House, Marian			WELL DECOMMISSIONING PLANNED FOR FOURTH/FIRST QUARTER FISCAL YEAR 1995/1996 WHC WELL
ADM1	OMMISSION WE	CODES (WAC-173		SE CHECKLIST AND WASHINGTON WORK WILL BE DOCUMENTED ON FIELD
		ling Sefety Requirements NDUCTED PER AN		C-CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.
10. Excavation Requires	ments Planning Check	dist (Check appropriate t	blocks to deter	mine supplemental approvals)
Will the excevation	work:			
Yes No				
☐ X limit a	coess, pedestrian or 1	vehicle, to or from any #	rea or building	? (If yes, Occupational Health and Safety approval required.) Block 17
☐ X be wit	hin 25 feet of the ger	nter line of the railroad ti	rack? (if ves.	Track Maintenance approval required.) Block 18
		•		
		f yes, 600 Area Landiord		
D X be und	der or immediately adj	jacent to any high voltag	e line or switc	hing equipment? (If yes, Electrical Utilities approval required.) Block 20
be wit	thin or immediately ad s, Safeguards and Sec	ljacent to the boundaries surity approval required.)	of a security Block 21	barrier or will uncover a security system for maintenance or modification?
approv	vat required.) Block 2	22		sewer, or water utility lines? Iff yes, Steam/Water Utilities
☐ X be per	rformed in the vicinity	of telecommunication li	nes? (If yes, I	RM Plant Telephone approval required.) Block 23
	rformed in areas other ng approval required.		ulidings, wate	r sites, and those required to remove existing surplus facilities? (If yes, Site
11. List Facilities, Servi				SUPPLEMENTAL APPROVALS
SUBJECT WELLS CODES.	WILL BE DEC	OMMISSIONED P	ER WAC	17. Occupational Health & Safety Date For Telecon 09/19/95 12:50 09/19/95
				18. Track Maintenance Date
	REQUIRED APP	ROVALS		N/A
12. Cultural Resources HCRC # 95-600	Review (all Peckages)		Date 09/20/95	19. 800 Area Landlord Date 9-19-55
13. Occupational Health	& Selety (for W.O./	Project Packages only)	Dete	20. Electrical Utilities Deta
N/A	· .			N/A 21. Safeguards and Security Date
RWP Required Yes	No X	• .		N/A
14. Environmental Assu	rance (for W.O./Proje		Date -20-98	22. Steem/Water Utilities Date N/A
15. Cognizent Engineer v.E. SKOGLIE		kages only)	Date 9/19/95	23. IRM Plant Telephone (24 hours prior to start) Date N/A
o. Facility/Plant Manag			Date	24. Site Planning Date
N/A				2F Gancey 9-19-95
		-		A-7400-373 (06/92)

ALC: N

N/A

Comment of State of the State o

WHC-SD-EN-AP-161, Rev O, APPENDIX F WELL LOCATION MAP

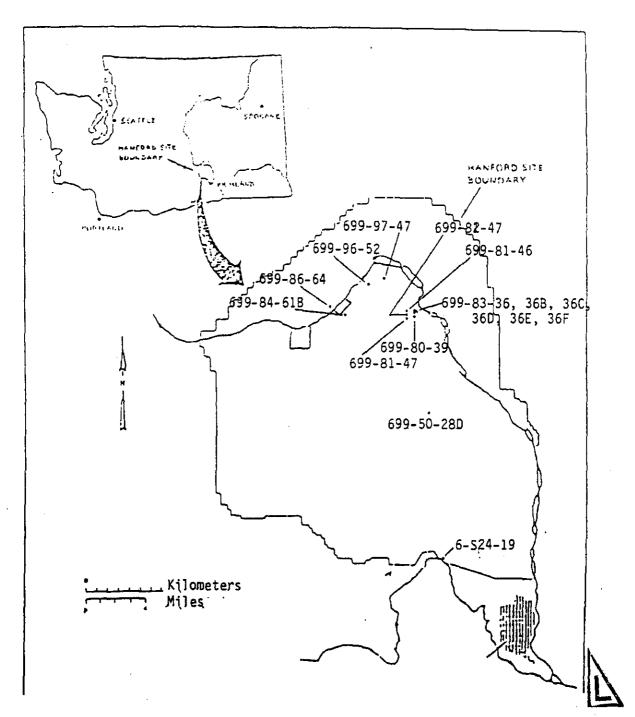


Figure 1. Location Map of Wells Selected for Decommissioning



NON-RECORD COPY 20 Academy St., Mt. Angel, OR 97362 DAILY DRILLING REPORT 1-800-45-STACO • FAX 845-9274

WELL SERVICES ...

 $oldsymbol{N}_{0}$

10967

Staco Job #	945	Day of Week Wednesday	Date 9-20-95
Drilling Compar	ny 5/400	Consulting Firm Fy 95	Well# /32454 Rig # 6/
Site	00 Greg	County Boulon	State we
From	То		
13.15		Water down a 30' radios	around wells. Weld flance on
	13:45	To well 6-83-36-E	
13:45		Set perf. from 39.5 uplo	3' Fee 111 10' Sections
	15:00	4 perforations per FONT	
15:00		Cut off florge and well cas	me flush with Top of
		concrete peclestel. Wet	avea down Five watch for
	15:45	Ehr.	
15.45		Drive source Truck to we	11 sile #699-83-36.
	16:00	Secur sile.	
		well check with T	MX410 Milli-Gas manifor
		oxy, LEL and H25 is a	ok

MATERIALS RECORD		Locking Caps			TIME REC	ORD
nent		Bullards			Rigtime 2.75	level
"re Gold		Protective Cover	diam.	quan.	Drilling	level
Hole Plug		Flush Mount	diam.	quan.	Completion	level
Bentonite Powder		Temp Casing	diam.	feet	Decon	levei
Crumbles		Threaded Casing	diam.	feet	Moving	level
Sand		Drive Shoe	diam.	feet	Development	level
Pellets	***	Perm Casing	diam.	feet	Site Prep	level
RediMix		4 x 4 Concrete Pad			Standby 1st 2 hrs.	level
D.O.T. Drums		EQUIPM	NT RENTALS	3	Standby after 2 hrs.	level
		Decon Equip.			Samples	level
P.V.C. Well	diam. sch.	Generator			Pump Hoist	level
		Compressor			Crane Truck	level
S.S. Well	diam. sch.	Water Truck	V		Abandonment	level
2.5' Blank		Vac. Truck			Down Hole Casing Cut	
5' Blank		Winch Truck			Extra man hours	level
10' Blank		Forklift			Perdiem yes	
20' Blank	· · · · · · · · · · · · · · · · · · ·	Backhoe			Travel Time	
5' Screen		Cuttings Tank			Driller Tevry 1750	ay
10' Screen		Sub. Test Pump			Assistants T. Bakor Consultant Wency	J. Carpenter
20' Screen			THER		Consultant	
ntralizers		THX MITTING	1750, (STU	ري ري	Nency	Spacker
⊿ Plug					Shift Start /3:15	Total Hours
Slip Caps	······································				Shift End 16:20	2.75



NON-RECORD COPY DAILY DRILLING REPORT

220 Academy St., Mt. Angel, OR 97362 1-800-45-STACO • FAX 845-9274

WELL SERVICES

Nº 11003

Staco Job # G	45	Day of Week	sday	Date 9.21-95	
Orilling Company	Staco	Consulting Firm FV-		Well# /32474 Rig	# (0)
Site (a00	area.	County Benton		State U.C.	
rom	То	- FARENT			
(O:00)		10 mm 10 mm	2 4 2 6 milan	Te in to well 6.	83-36 <i>E</i>
10:00	1	C 55'	F 75 BRN 20	T	<u> </u>
<u> </u>	 	From 37' 4,0/0 /3	15 ST Concre	A proesial.	4//
	10:15	Mud weight ch	ecked with	med scales 14.1	165 /Sc/.
			/		
			\mathcal{N}_{1}		
			1		
MATE	RIALS RECORD	Locking Caps		TIME RECO	RD
ment	6 Far.	Bullards		Rigtime ,25	ievel
⊿re Gold		Protective Cover	diam. quan.	Drilling	level
Hole Plug		Flush Mount	dlam. quan.	Completion	level
Bentonite Powder	, y 3 1236 /3	Temp Casing	diam. feet	Decon	level
Crumbles		Threaded Casing	diam. feet	Moving	level
Sand		Drive Shoe	diam. feet	Development	level
Pellets		Perm Casing	diam. feet	Site Prep	ievel
RediMix		4 x 4 Concrete Pad		Standby 1st 2 hrs.	level
D.O.T. Drums		EQUIPMENT	RENTALS	Standby after 2 hrs.	level
		Decon Equip.		Samples	level
P.V.C. Well	diam. s	ch. Generator		Pump Hoist	level
		Compressor		Crane Truck	level
S.S. Well	diam. s	ch. Water Truck		Abandonment	level
2.5' Blank	·	Vac. Truck	· · · · · · · · · · · · · · · · · · ·	Down Hole Casing Cut	
5' Blank		Winch Truck		Extra man hours	leve
10' Blank		Forklift		Perdiem UCS	
20' Blank		Backhoe		Travel Time	

10' Screen

Sub. Test Pump

Assistants T. Buker / J. (ar pentry

20' Screen

OTHER

Consultant

I CIVCLY Splucker

J Plug

Shift Start /0:00

Total Hours

Shift End /0:/5

Assistants T. Buker / J. (ar pentry

Shift Start / O:00

Total Hours

Cuttings Tank

5' Screen

Driller

NON-RECORD COPY

FIELD ACTIVITY REPORT – WELL REMEDIATION AND ABANDONMENT								of
Date 09/20/95	Well No. 699-83-36K	Rig Type/Model Schram	Rig No. #61		rk Order No. /372778	Start Card No.	3	Report No. B2474-01
Purpose	ioning of well	-Jet Shot pe		casing.	Reference N/A		Locatio	600 Area N/A
Start T End T	Casing Size 6" 4" N/A	Type C.S. C.S. N/A Materia	/AN/	Set At 40.00° 40.00° N/A	Oper Prin T. Oth T. J. M.	t & Sign Name (McCoy/ Die: er: Baker-He: Carpente; Walkup-W	Accepta Iper Iper HC FI N/A-	Staco per Staco
Contractor T	imeN/A ime 2.75 Hrs.		N//	A			-N/A-	
	00: Watered do			erations/Rema			•	
perforati well from off flans pedestal. welding a 1500-15 1545-16	Monitor. No ng. Wet down 1 3.00° to 39.5 The and also cut See attached activities. 545: Performed 500: Secured we	a 30.00° radio of the well who "Hotwo firewatch for the state of the s	dius arou t Shot pe llcasing rk Permit or 45 min end of s	nd the we rforator flush wit " which w utes hift and	ll again. makes 3/8 h the top as used f N/A drove ser	Jet Sho "x3/8"x4 of the coor all cu	t per holes oncre ttins k to	forated the /ft. Cut te and next well.
				/A				
				/A				
			<i>I</i>	/A				
Title	Report By M.W. Walkup Title Field Team Leader Signature Signature Principle Signature Power Signature Power Signature Power Signature Power Signature Power Signature Power Signature Power Signature Power Signature Power Signature Signature Power Signature Signatur							

Distribution: White - Group File Custodian Yellow - Group Files Pink - Project Coordinator Goldenrod - Team Leader 8C-6000-287 (02/90)

NON-RECORD COPY

	WELL RE	FIELD ACTIVEMEDIATION			NT		Page1 _ of
Date 09/21/95	Well No. 699-83-36K	Rig Type/Model Schram	Rig No. #61		rk Order No. V372778	Start Card No. 32076	
Purpose		J			Reference		Location
Decommiss brass loc	sioning of well	-Grout well	and insta /A	all	N/A		600 Area N/A
Hole Size	Casing Size	Type		Set At	Per	sonnel	
7" Total Depth	6" 4"	C.S. C.S.	•	40.00° 40.00°	Op	erator McCo	yv Lic No. <u>2222</u>
40.0	40.0° N/A N/AN/A Print & Sign Name (Acceptance)						
Reference/Measuring Point T. McCoy/ DEA /n						Ed yn	
Ground surfaceT. Baker-Helper Staco						lper Staco	
Start 1	Time 1000 Hrs.	1	als Used		្ស.	Carpenter	-Helper Staco
End 1	Time 1015 Hrs.		.6 lb. sad			Walkup Wi	IC FTL -N/A
}	TimeN/A	.	N/	A			-N/A
Contractor 1	ImeN/A		N//	<u> </u>	(-N/A -N/A
Total	Time .25 Hrs.		Ñ/	A		± = = - ;	-Ñ/A
	<u> </u>	De	scription of Op	erations/Rema	rks		·
1000-10	015: Calculated	l volumes. m	i xed and	numbed ce	ment grou	t Grout	contained 4%
	bentonite. Se	•			_		
f	s. Grouted wel						
2							
			N	/A			
			N	/A			
			N	/A			
			N	/A			
			N	/A			<u></u>
			N	<u>/A</u>			
			N	/A			
			N	/A			
			N	/A			
				/A			
			N	/A			
			N	/A			
Report By	M.W. Walkup					SKOGLIE	
Title	Field Team Lo	eder					en Date 09/28/95
and the rate is	Signature Nous Staglic Signature Nous Staglic						

WHC-SD-EN-AP-161, Rev 0, Appendix F

RESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-83-36E
STRUCTURE FITNESS FOR USE CHECKLIST	
STROUTORE FITRESS FOR USE CHECKLIST	Page 1 of 2
2. Has a need for use of the well been identified and documented?	
(No) No potential user identified	
3. Is well presently in use?	
¿ No ¿No use identified	
4. Is casing sealed in accordance with IAW WAC 173-160-075?	
[No] No documentation of annular seal	
4s. Natural barriers preserved?	
[N/A Well terminates within upper sediment	ts
4b. Aquifer/strate pentrated permanently sealed?	
t No 1 No seals documented	
4c. Annulus scaled against surface water?	
No No surface seal documented	
4d. Caeing overlap more than 8 ft; packed and grouted?	
(N/A) Not applicable	
5. If not in use, is well capped IAW WAC 173-160-085?	
(No)Open top, welded flange	
5. is design and construction IAW WAC 173-160-500?	
No No annular seal documented	
Se. Saturated formation/equifers not connected?	
N/A Deper sediment colum	
6b. Cuttings/development water handled IAW WAC 173-3037	
(N/A) Drilled before applicable date of W/	AC 173-303
Sc. Well properly indentified?	
(No) NO permanant identification	
7. Is surface protection IAW WAC 173-180-5107	
No No surface seal documented	
7e. Well capped and protected?	
No Open top no protection	
7b. Protective poets, eurlace pad or cover installed?	
NO Concrete pedistal	
7c. Surface protection waived or variance obtained?	
(N/A Not applicable	
7d. Is existing surface protection damaged?	
(N/A) Not applicable	
8. Are casing materials IAW 173-160-520?	
N/A Not applicable	
9. Was drill rig/drilling equipment cleaned IAW WAC 173-160-5307	
(N/A Not applicable	
9a. Drill rig/equipment casing/screen cleaned?	
(N/A) Not applicable	
9b. Filter pack cleaned? Meterial compatible?	
N/A Not applicable	
RCRA/CERCLA MONITORING WELL?	
10. Does water sample from vertical screened interval represent horizontal	
stratigraphy?	
N/A Not applicable	
10e. Sgreened Interval documented?	
No Not documented	
10b, Vertical lithology documented?	
[No] Not documented	

ECN-611433

WHC-SD-EN-AP-161, Rev 0, Appendix F

RESOURCE PROTECTION GROUN	699-83-36E	
STRUCTURE FITNESS FOR US	Page 2 of 2	
11. Is design and construction IAW WAC 173-180-5407		
N/A Not applicable		
11s. Screen commercially fabricated of material nonreactive	to subsurface conditions?	
(N/A) Not applicable		
11b. If filter peck installed, extends from bottom of screen	to at least 3 ft above screen.	
[N/A Not applicable		
11c. Well has been developed.		
(<u>N/A</u>) Not applicable		
11d. Annulus grouted with bentonite or bentonite/coment a	nixture.	
(N/A) Not applicable		
12. Does water sample meet established acceptance criteria? Sample is less than 5 NTU and sand free.		
N/A Not applicable		
13. Dete Sources Used:		
1000	Date:	Company:
Geologist:		
	Dete:	Company:
Talevision:		
HANFORD WELLS, M.A. Chamness and	.1 K Merz August 1	993
HANTOND WELLS! FI.A. Chamiless and	U. K. HUIZI MANAGO	
Databases:		
WHC Well Services		
Field Check: WHC Well Sevices	Date: 05/10/9	5 Company: WHC
Other:		
14. Comments: Identify evaluation criteria addressed by number	r.	
	· ·	
		
		
15. Statue	No Well lacks	وادمه
Well is acceptable for intended use		
Well is acceptable for intended use if variance is granted	·	
Rehabilitation required to continue intended use		
Remediation required to enhieve intended use		identified user
Decommission, well is unneeded or cannot be remediated	Yes Well has n	o identified need
Other	·	
16. Status Recommendation. Done By: Name: T. J. WOOd	Title: Senior Engineer	Date: 06/30/95
Done By: Name: 1. U. WOOD		A-8000-451B (08/93)



DECOMMISSIONING CHECKLIST						
Project No.: FY 95 WELL DECOMMISSIONING	Task No.: RDICA	Well No.: 699-8.	B2474 3-36E			
WORK PLANNING/INITIATION: Remediate	□ Decommission	Completion Date or NR	Attachment Number or NA			
Evaluation Checklist Approved:						
WHC-CM-7-7, Ell 6.6, "Resource Protection Well Ch Evaluation"	naracterization and	09/19/95	ECN# 611437			
Engineering Specification Issued:		1.1.	WHC SD-EN			
WHC-CM-6-1, EP-1.2, "Engineering Specifications"	11/23/94	AP-122				
Letter of instruction issued:						
Ell 1.15, "Preparation of SOW/LOI"		09/07/93	W 372778			
Authorization Work Order Issued:		/2	/.			
WHC-CM-2-5, Section 2.5, "External Work Orders"		NR	√A			
Job Safety Analysis Completed:						
WHC-CM-4-3, Standard A-3, "Prejob Planning" Standard CM-9, "Surface Drilling"		11/15/94	08294			
Hazardous Waste Operations Permit Issued:			NA			
WHC-CM-7-7, Ell 2.1, "Preparation of Hazardous Waste Operations Permits"						
Cultural Resources Review Completed/Variance Obtain	ned:		- 110 017			
WHC-CM-7-5, 12.3, "Historical and Archaeological:	09/20/95	95-600-017				
Endangered Species Review Completed/Variance Obta	1.040-	95-600-046				
WHC-CM-7-5, 12.4, "Plant and Wildlife Species on t	07/19/95	95-600-046				
xcavation Permit Obtained:	201010	100 OF 015				
WHC-CM-8-7, Section 503.1, "Excavation Permits"	09/19/95	600-95-035				
Radiation Work Permit Obtained:		/0	NA			
WHC-CM-4-10, Section 8.0, "Radiation Work Require	rements and Permits"	NR	1 ~			
ALARA Worksheet Completed		/.	/-			
WHC-CM-4-11, "ALARA Program Manual"		NR	NA			
Start Card Transmitted:		7/0-	4 5 4 5 5 7			
WAC 173-160-055, "Well Construction Notification	" (Start Card)	7/95	A 32073			
Work Schedule Completed:						
Project management software or equivalent		04/95	DEA			
Retired Area Entry Permit Obtained:		./0	NA			
WHC-CM-4-3, Standard G-10, "Retired Hanford Facilities"						
Training Requirements Completed:			\ 5.4			
WHC-CM-7-7, Ell 1.1, "Hazardous Waste Site Entry	Requirements*	04/95	DEA-			
Comments:						

GROUNDWATER WELL REMEDIATION/

STACO CONTRACT: W372778



APPROVALS:				1 1
APPROVALC:	/Print/einr	1 name	200	7910
	(I I I I I I I I I I I I I I I I I I I	1 1 (011110	4114	COLO
'single and the same of the sa		-11 .		

SLOCLIE David Design Of

GROUNDWATER WELL REMEDIATION/ DECOMMISSIONING CHECKLIST		Page 2 of 2
Project No.: Task No.: FY 95 WELL DECOMMISSIONING RDICA	Well No.: 699-8:	
WORK PERFORMANCE/EVALUATION	Completion Date or NR	Attachment Number or NA
Drilling Rig and Materials Cleaned to Procedures: WHC-CM-7-7, Ell 5.4, "Field Decontamination of Drilling, Well Development and Sampling Equipment"	Prejob NR Postjob NR	NA
Material Verifications Completed: Applicable Engineering Specification, No. A Rev. A Liner Casing and Centralizers as Specified	NR	NA
Cement Grout as Specified	B24740421	82474-02
Appropriate Well Cap as Specified Air-Entrained Concrete for Pad as Specified	- NK	NA .
Material Packaged and Stored as Specified	NA	NA.
Lubricants and Drilling Aids as Specified	NR	NA
Perforations Completed as Specified:		
Applicable Engineering Specification	09/20/95	82474-01
Liner and Grout Installed as Specified:	,	,
Applicable Engineering Specification	NR	NA
Pad/Posthole Excavation Completed:	NR	NA
Applicable Engineering Specification	~ ×	70 A
Concrete Pad, Reinforcing Material, and Inset Marker Cap Installed as Specified:	NR	NA
Applicable Engineering Specification		
Hasp, Locking Well Cap and Lock Installed as Specified: Applicable Engineering Specification	NR	NA
Guard Posts/Metal Sleeve Installed as Specified:	,	,
Applicable Engineering Specification	NR	N4
Well Identification Stamped and Correct: Applicable Engineering Specification	09/21/95	A 2474-02
Well Reports Complete and Submitted to State:	\	
WAC 173-160-050, "Records"	04/17/96	9651783
Survey Complete, Survey Report Received and as Specified: Applicable Engineering Specification	NR	NA
Site Restored: Applicable Engineering Specification	09/21/95	DEA
Waste Disposal Controlled, WHC-CM-7-7, Ell 4.2/Ell 4.3 WHC-CM-7-5, 7.3, "Standards for Nonradioactive, Nonhazardous Solid	NR	NA
Waste Disposal:		
Well Condition Drawing Transmitted: WHC-CM-1-3, MRP 3.8, "Correspondence and Commitment Control:	04/17/96	9651783
Comments: VA		
APPROVATO, (Plantain and death		
PPROVALS: (Print/sign name and date) 1.E. Stocker David Shorter 04/17/96 Field Team Linder/Drilling Engineer Data	res	
Construction to an install install installed the second of		A-8000-472 (02/93

A STATE OF THE STA

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy

ECY 050-1-20 (9/93) **1

WATER WELL REPORT

Start Card No. A32076
UNIQUE WELL LD. # B2474

STATE OF WASHINGTON

Water Direct Bernell No. N/A

100	Cohl pure a cohl	Water Hight Permit No/	
_	OWNER: Name U. S. Department of Energy Add	Richland, Washington 99352	
(2)	LOCATION OF WELL: County Benton	SW 1/4 SW 1/4 Sec 29 T. 1	4 N. R 278 W.M.
(2=)	STREET ADDRESS OF WELL (or received address)		
(3)	PROPOSED USE: Domestic Industrial Municipal D	(10) WELL LOG or ABANDONMENT PROCEDURE D	ESCRIPTION
(A)	TYPE OF WORK - Owner's number of well COO	Formation: Describe by color, character, size of material and structure, and and the kind and nature of the material in each stratum penetrated, with a change of information.	
١٠,	(ii more than one)	MATERIAL	FROM TO
	Abandoned (IX New well (I) Method: Dug (I) Bored (I) Deepened (I) Cable (I) Driven (I)	Reference attached as-built.	
	Reconditioned		
(5)			
	Orilled 39.5 feet. Depth of completed well 39.5 t.		
(6)	CONSTRUCTION DETAILS:		 /
•	Casing installed: 6.0 Diam. from +3.6 tt to 39.5 tt.		
	Welded 2 4.0 Diam. from +3.6 ft. to 39.5 ft.	<u> </u>	-/
	Threaded Diem. from the to the transfer of the		/
	Perforations: Yes x No		
	Type of perforator usedJet_Shot		
	SIZE of perforations $3/8$ in. by $3/8$ in. holes f the perforations from 3.0 in. f to 39.0 in.		
4	holes/ftperforations from 3.0 ft. to 39.0 ft.		
	perforations fromft. toft.		
	Screens: Yes No 🗵		
	Manufacturer's Name		
	Type Model No		
	Diam. Slot sizefromft. toft.		
	Diam. Slot size from ft. to ft.		
	Gravel packed: Yes No R Size of gravel	<i>V</i>	
	Gravel placed fromft. toft.	/	
	Surface seal: Yes No To what depth? 1. Material used in seal		
	Did any strate contain unusable water? Yes No No		
	Type of water? Depth of strata		
	Method of sealing strata off		
_			
(7)	PUMP: Manufacturer's Name A H.P. H.P.		
(8)	WATER LEVELS: Land-surface elevation	Work Started 09/20/95, 19. Completed	1/95195
• •	above meen sea level 1. Static level 30.28 1t. below top of well Date 05/95		
	Artesian pressure Ba. per square inch Date	WELL CONSTRUCTOR CERTIFICATION:	
	Anesten water is controlled by(Cap, valve, stc.)	i constructed and/or accept responsibility for construction	
· · ·		compliance with all Washington well construction standards the information reported above are true to my best knowledge	
(0)	WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No if yes, by whom?		
	Yield:pal./min. witht, drawdown afterhrs.	NAME Westinghouse Hanford Company (PERSON FIRM OR COMPONION) (NYE CA	PRINT
	" " "	Address P.O. Box 1970 Richland, WA	99362
	n n n	1.10010	
	Recovery data (time taken as zero when pump turned plf) (water level measured from well	(Signed) Kound Well ORALLERY Licens	156U L
Y	top to water level) ime Water Level Time Water Level Time Water Level		
		Contractor's Registration, No. NA Date 04/1	21
		No. N/A Date 04/11	1996
		(USE ADDITIONAL SHEETS IF NECESSA	ARY)
	Date of test Bailer test gal./min. with ft. drawdown after hrs.		-
	Airtestgai./min. with stem set attr. forhrs.	Ecology is an Equal Opportunity and Affirmative Action	
	Artesian flowg.p.m. Date	cial accommodation needs, contact the Water Resource	s Program at (206)
	Temperature of water Was a chemical analysis made? Yes D No D	407-6600. The TDD number is (206) 407-6006.	

		FIELI CEN	D ACTIVITY REPOI IENT CALCULATION	RT - NON-RECORD COP F /_ or /
Date	- - 7	Well Number B2474 4-95 699-83-365	Continuation of Report No. 82474-02	
		19 6/7-83362		
1.0		ENT STAGE VOLUME C		
	1.1	Cement Volume - Open		ID of casing or diameter of hole, inches = D
		37 feet x 0.0408		= 24 15 Gallons of cement required
		37 feet x 0.0054	54 x <u>/6</u> D ²	= 3 23 Cubic feet of cement required
	1.2	Cement Volume - Annui	er Spaces	
		Between Tubing and	Hole (D = Hole	diameter, inches; d = QD of Tubing, inches)
		Between Casing and	Hole (D = Hole	diameter, ineries; d = OD of Casing, inches)
•		Between Tubing and	Casing (D = ID of	Casing, inches; d = OD of Tubing, inches)
		Between Casings	10 = 1D of	outer Casing, inches; d = OD of inner Casing, inches)
		D = d =	n = Numbe	r of tubing strings
				_d ² x ⁿ)] = Gallons of cement required
		feet x 0.005454	x [D2 - [d ² xn)) = Cubic feet of cement required
2.0		RRY MIX CALCULATION		
	2.1	. .		bs/sack: 94 ft ³ /sack (mixed): 1-55
			==	/sack (mixed) = 2.08 sacks
		2.08 sacks + 3.9	aacks excess) 52	% required) = Total sacks required
	2.2	Calculate Mix Water	_	111.0
		Total sacks cen	nent x $\frac{7.8}{}$ gallons	water/sack = 468 gallons of mix water required
	2.3	Calculate Additive Amou	ints 0 /	
		Type Powder	Total sacks x 94	Ibs/sack x 4 % = 2056 lbs. required
		Comon	Comen	Vaditine Vagitine
		Type	Cemen	lbs/sack x % = lbs. required
3.0	DIS	PLACEMENT VOLUME CA	ALCULATIONS	
	3.1	Balanced Plug Displacen	nent	
		ft. (top of ceme	int)ft_(wat	er level) = feet to be displaced
		ft. (to be displa	The second secon	= gallons of displacement water required
4.0	REN	MARKS		
	•.	_		ħ.
				The state of the s
Rep	ort B	V - Telly HCo	7	Reviewed By D.E. SKOGLIE
		Duller		Title sie Arilling Engineer Date 09/24/95
		- Jell / May		Signature David & Messlie
L				

DISTRIBUTION: White - File Custodian Yellow - Group Files

BC-6000-279 (3/93)

.

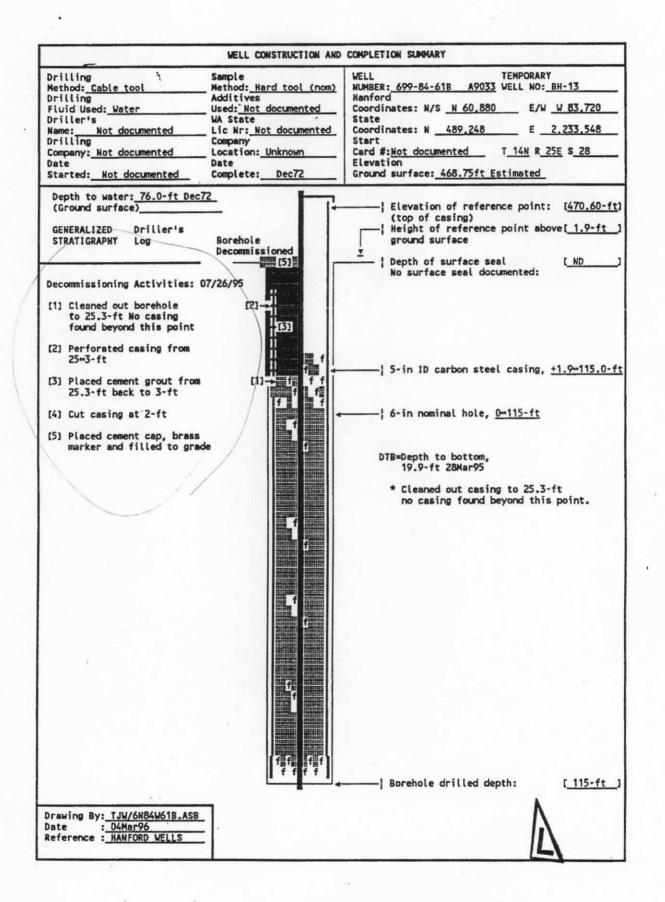
A9033 699-84-61B

WELL ATTRIBUTES REPORT

ELD ORDER NO						LAST INSP	ECTION	1/1/180	J1
WELL ID	A9033					NORTHING	3	148989	.535
WELL NAME	699-84-61B			CONS	T DATE	EASTING		571306	.011
HOST WELL ID				CONS	T DEPTH	ELEVATIO	N	144.495	5
	AST INSPECTION	INFORMA	TION			CURRENT INSPECTI	ON INFO	RMATIO	N
WELL PAD		☐ YE		NO	✓ ND*	WELL PAD	···	YES	NO ,
BRASS SURVEY MARKE	ER	YE		NO	✓ ND*	BRASS SURVEY MARKER		YES	NO
MARKER STAMPED WI	TH SURVEY DATA	YE		NO	✓ ND*	MARKER STAMPED WITH SURVEY I	DATA	YES	
MARKER STAMPED WI	TH WELL ID DATA			NO	✓ ND*	MARKER STAMPED WITH WELL ID		YES	
WELL LABELED WITH	WELL ID	YE			✓ ND*	WELL LABELED WITH WELL ID		YES	
WELL LABELED WITH	WELL NAME	YE		NO	✓ ND*	WELL LABELED WITH WELL NAME		YES	NO
PROTECTIVE POSTS		☐ YE		□ NO	✓ ND*	PROTECTIVE POSTS		YES	NO
REMOVABLE POST IN	PLACE	YE		NO	✓ ND*	REMOVABLE POST IN PLACE		YES	NO NO
WELL LOCK		YE	. —	NO	✓ ND*	WELL LOCK		YES	□ NO
WELL DAMAGED		YE		NO	⊻ ND*	WELL DAMAGED	:	YES	□ NO
WELL IS DRY		YE		NO	✓ ND*	WELL IS DRY		YES	NO
PARTED CASING		YE		_ NO	✓ ND*	PARTED CASING		YES	□ NO
BENTONITE IN WELL		YE		NO	✓ ND*	BENTONITE IN WELL		YES	□ NO
WELL SANDED IN		YE		_ NO	✓ ND*	WELL SANDED IN		YES	NO
LAPSED CASING		YE		NO	✓ ND*	COLLAPSED CASING		YES	□ NO
EQUIPMENT IN WELL		YE		NO	✓ ND*	EQUIPMENT IN WELL		_ YES	□ NO
DEBRIS IN WELL	-1	[] YE		NO	✓ ND*	DEBRIS IN WELL		YES	NO
SURFACE EROSION			JOR	☐ NON		SURFACE EROSION		MAJC	OR NONE
		│ □ мі	NOR	✓ ND*		!	ļ 	MINC)R
	LAST PUMP IN	FORMATI	ON			CURRENT PUMP	INFORM	ATION	
PUMP ACTIVITY PERF	ORMED	IN	STALL	.ED		PUMP ACTIVITY PERFORMED		_ INST	TALLED
			PLACE	ΕD	✓ ND*		!	REPL	LACED
		<u> RE</u>	MOVE	D			.,	REM	OVED
PUMP TESTED		YE	s	□ NO	✓ ND*	PUMP TESTED	·	YES	□ NO
NEW PUMP		YE	\$	NO	✓ ND*	NEW PUMP		YES	L. NO
ACTIVITY PEFORMED	BY	ND*				ACTIVITY PEFORMED BY			
DATE ACTIVITY PERFO	ORMED					DATE ACTIVITY PERFORMED	i		
PUMP TYPE		ND*				PUMP TYPE			
PUMP MAKE		ND*				PUMP MAKE			
PUMP MODEL		ND*				PUMP MODEL			
PUMP INTAKE DEPTH	(ft)	i				PUMP INTAKE DEPTH (ft)			
TUBING SIZE (in)						TUBING SIZE (in)			
TUBING MATERIAL		ND*				TUBING MATERIAL		,-	
'BING LENGTH (ft)						TUBING LENGTH (ft)	 :		
. JBING CONNECTION	V	ND*				TUBING CONNECTION			
L		_1							

WELL ATTRIBUTES REPORT

FIELD ORDER NO WELL ID	A9033			LAST INSPECTION 1/1/1801
WELL NAME	699-84-61B	<u></u>	CONST DATE	NORTHING 148989.535 EASTING 571306.011
HOST WELL ID	033 04 015		CONST DEPTH	ELEVATION 144.495
	MEASUREME	NT INFORMATION		
		LAST	CURRENT	- - c
A DEPTH TO WATER(ft)			
DEPTH TO WATER I	DATE		I · · ····	
B DEPTH TO BOTTOM	i(ft) 12.9		-	
DEPTH TO BOTTOM	I DATE			
C:STICK UP(ft)	1.9			
DIREFERENCE MARK(1	ft)			
REFERENCE MARK 1	IS TOC : YES	S NO ✓ ND*	YES NO	B
	<u></u>		TES NO	
	PERFORATI	ON INFORMATION		
CASING SIZE TO	ОР ВОТТОМ	CUTS/FT/ROUND		▼ Depth to Water
				V Sopiil to Water
CHANGES				
				Depth to Bottom of Well
				Depth to Bottom of Casin
	- · · · · · · · · · · · · · · · · · · ·			A DEPTH TO WATER FROM TOP OF CASING
				B DEPTH TO BOTTOM OF WELL FROM TOP OF CASING C TOP OF CASING TO GROUND SURFACE/PAD
	CASING	INFORMATION		D TOP OF CASING TO SURVEY REFERENCE MARKER
SIZE TOP	воттом	MATERIAL	TYPE	CONNECTION THICKNESS
CHANGES				
-			-	
	SCREEN	INFORMATION		
SIZE TOP	воттом	MATERIAL	т.	TYPE SLOT SIZE
<u> </u>				
CHANGES				



Query HWIS again

HWIS Interface - Well History Information - Drilling

WELL_ID WELL_NAME	STATUS	STATUS_CHANGE_DATE	STATUS_CHANGE_COMMENT
A9033 699-84-61B	DECOMMISSIONED	IU <i>HZ</i> 0/1995	2005 HWIS prelim review to be admin decomm w survey coordinates

SUMMARY OF CONSTRUCTION DATA AND FIELD OBSERVATIONS RESOURCE PROTECTION WELL - 699-84-61B

WELL DESIGNATION

699-84-61B

CERCLA UNIT

100-N

Not applicable N 60,880 W 83,720 [HANFORD WELLS] N 489,248 E 2,233,548 [HANCONV]

HAMFORD COORDINATES : LAMBERT COORDINATES :

DATE DRILLED

Dec72

DEPTH DRILLED (GS):
MEASURED DEPTH (GS):
DEPTH TO WATER (GS):

115-ft 115.0-ft 19.9-ft 28Mar95 76.0-ft, Dec72;

CASING DIAMETER

ELEV TOP CASING : ELEV GROUND SURFACE : PERFORATED INTERVAL : 5-in, +1.9+115-ft 470.60-ft 468.75-ft None documented

SCREENED INTERVAL COMMENTS

Not applicable

FIELD INSPECTION, 28Mar95, Carbon steel casing, no ped, no posts.

No cap or lock.

No cap or tock.
No permanent identification.
Not in radiation zone.
OTHER:Borehole Decommissioned by WMC Well Services: 07/26/95
No casing found beyond 25.3-ft

AVAILABLE LOGS

TV SCAN COMMENTS

Driller Not documented

DATE EVALUATED : EVAL RECOMMENDATION : LISTED USE CURRENT USER

Not applicable Decommission Not documented Not documented

Not applicable

PUMP TYPE MAINTENANCE

Borehole Decommissioned

NON-RECORD COPY

FIELD ACTIVITY REPORT – WELL REMEDIATION AND ABANDONMENT Page1 of1					
	e/Model Rig No. Schram #61	Contract/Work Orde			
Purpose			ence	Location	
Decommissioning of well-Clea install brass locator pin an	n, perforate, a d backfill to a	rout,	N/A N/A	600 Area N/A	
Hole Size Casing Size	Туре	Set At	Personnel		
6" 5"	C.S. N/A	115.00	Operator Ma	Cov_ Lic No. 2222	
Total Depth N/A 115.0 N/A	N/A	N/A	Print & Sign Nam	e (Acceptance)	
Reference/Measuring Point M. McCoy/1984					
Ground surfaceN/A					
Start Time 0600 Hrs.	Materials Used		1	elper Staco	
End Time 1600 Hrs.	4-94.6 lb. sa		J. Mansfie	ld-Toolpusher	
	N/		M. Walkup-	WHC FTL	
TimeN/A	N			N/A	
Contractor TimeN/A	N/	A		N/A	
Total Time 10 Hrs.	N/	A		N/A	
	Description of O	perations/Remarks			
0600-0630: Safety meeting	₩	-			
stance abuse-identifying the	problem. All e	quipment was	inspected, st	arted and warmed.	
0630-0815: Finished loadin	g and mobilized	to well #699	-84-61B	N/A	
0815-0945: On standby wait		•			
power lines in the rain. Se					
TMX 410 sas meter, no problems noted. Tagged DTB at 19.70°N/A					
0945-1100: Received permission from T. Stone to begin work. Rigged up on the well.					
Ran 4 3/4" tri-cone bit in well on drill rod. Cleaned casing to 25.30". Pulled drill					
rod and tooling from hole. All cuttings and tooling were surveyed by HPT, no con-					
tamination foundN/AN/A					
1100-1230: Ran 5" Holte Star Wheel perforator in well on drill rod. Perforated from					
3.00° to 25.30°. The perfor	ator makes 1"x1	/4"x6 cts./ft	. The casins	was perforated	
at 4 equidistant masses per	foot Removed	perforator fr	om well, rise	ped down and moved	
at 4 equidistant passes per foot. Removed perforator from well, rigged down and moved drill rig off of hole					
1230-1445: Excavated 2.00° down around well casing. Cut casing off at 2.00°. See					
attached WHC "Hotwork Permit which was used for all cutting and welding activities.					
Calculated volumes, mixed and pumped cement grout. Grouted casing to surface, in-					
stalled brass locator pin and backfilled to grade with native soilN/A					
1445-1600: Mobilized equip	ment back to we	11 #699-50-28	D. Rigged up	on the well. Set	
up control zone around the d	rill site		<u>N/A</u> -		
Report By M.W. Walkup		Reviewed By	.E. Skoglie		
Title Freld Team Locates		Title S.P. Dr	<u> Iling Engine</u>	Date 08/17/95	
Signature Coura E Signature Coura E Steoglie					

HANFORD C				EXCAVATION PERMIT	600-95-022
Work Package No. RD1CA	· ·	DECOMISSIONING		of Excavation -61B,199-B4-2,& 199-B4-3	3
4. Originated By D.E. SKOGLIE		0	Date 6/02/95	5. Engineering Change Notice (ECV) WHC-SD-EN-AP-161, Rev 0,	Appendix E
6. Drawings Required		ors)		7. Other Affected Drawings or Documents WELL DECOMMISSIONING PLAN QUARTER FISCAL YEAR 1995	· · · · · · · · · · · · · · · · · · ·
ADM	OMMISSION WE	CODES (WAC-173		SE CHECKLIST AND WASHINGTO WORK WILL BE DOCUMENTED ON	
		ding Sefety Requirements NDUCTED PER AN		C-CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.	
j ,	·	klist (Check eppropriete bi	locks to deter	mine supplemental approvals)	
Will the excavation	work:				
Yes No	access, padestrien et	vehicle, to or from any an	se or building	7 (If yes, Occupational Health and Safety app	roval required.) Block 17
] = =				Track Maintenance approval required.) Block	
				•	
		If yes, 600 Area Landlord			
f — —				thing equipment? (If yes, Electrical Utilities ap	
D X be wi	ithin or immediately a s, Safeguards and Se	djacent to the boundaries curity approval required.)	of a security Block 21	barrier or will uncover a security system for m	aintenance or modification?
	irformed over, under, ovel required.) Block :		o any steam,	sewer, or water utility lines? (If yes, Steam/W	/ater Utilities
☐ X be pe	rformed in the vicinity	y of telecommunication lin	es? (If yes, I	RM Plant Telephone approval required.) Block	23
	orformed in areas other ing approval required.		iildings, wate	r sites, and those required to remove existing	surplus facilities? (If yes, Site
11. List Facilities, Serv			B 1146	SUPPLEMENTAL	APPROVALS
CODES.	MILL BE DEC	COMMISSIONED PE	K WAC	17. Occupational Health & Safety D.E. SKAGhi for Trais Will	Date 06/12/95
				18. Track Maintenance	Date
	REQUIRED AP			N/A	
12. Cultural Resources	Review (alt Peckages		Date 06/09/95	19. 600 Ap Landlefra	6-9-95
HCRC # \$5-100)-079 93 th & Safety (for W.O.	W - 110	Date	20. Electrical Units	Date
N/A				N/A 21. Safeguards and Security	, Date
RWP Required Ye	• ■ No 🗓			N/A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
14. Environmental Ass	urance (for W.O./Pro)	· · · · · · · · · · · · · · · · · · ·	Date 13 95	22. Steam/Water Utilities N/A	Date
15. Cognizent Enginee	r (for W.O./Project Pa		Date	23. IRM Plant Telephone (24 hours prior to	start) Date
Navid E. St	no zlui		06/09/95	N/A	
6. Facility/Plant Mana N/A	gar for W.O./Project	Packages only)	Date	24. Site Planning 2F Hancey	6/12/95
14.		ast 110 .	<u>, </u>		A-7400-373 (06/92)

WESTINGHOUSE

WHC-SD-EN-AP-161, Rev O, APPENDIX E

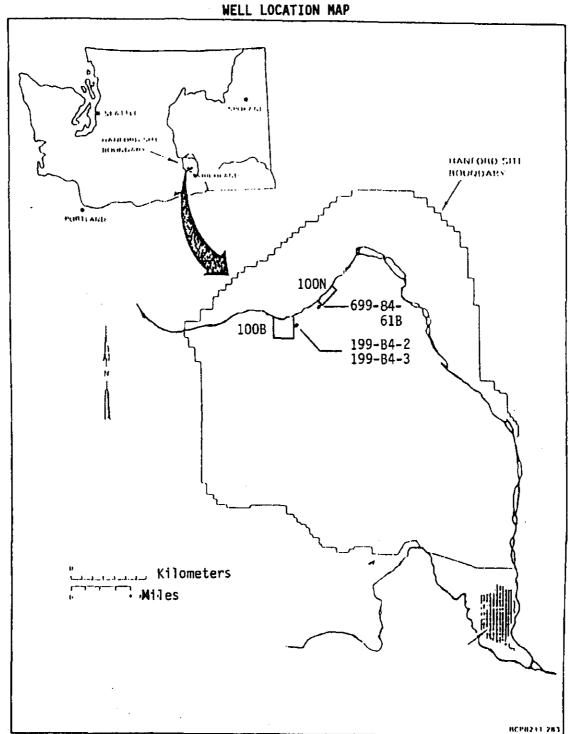


Figure 1. Location Map of Wells Selected for Decommissioning

WESTINGHO HANFORD C	- - -	49033		EXCAVATION PERMIT
i. Work Package No. RDICA	-		1	of Excevation 28D AND: 699-84-61B
Originated By	<u> </u>		Date	5. Engineering Change Notice (ECN)
D.E. SKOGLIE		ſ	07/18/95	WHC-SC-EN-AP-161, REV O, APPENDIX F
5. Drawings Required	Ildentification Numbe		7 20/30	7. Other Affected Drawings or Documents
N/A			<u> </u>	WELL DECOMMISSIONING PLANNED FOR FOURTH QUARTE FISCAL YEAR 1995 BY WHC WELL SERVICES.
ADM:	OMMISSION WE	CODES (WAC-173		SE CHECKLIST AND WASHINGTON WORK WILL BE DOCUMENTED ON FIELD
		ding Selety Requirements NDUCTED PER AN		C-CM-4-3, CM-8) ABLE JOB HAZARD ANALYSIS.
10. Excavation Require	ments Planning Check	klist (Check appropriate L	blocks to dete	mine supplemental approvals)
Will the excavation	<u>work:</u>			
Yes No X limit s	access, pedestrian or	vehicle, to or from any a	rea or building	? (If yes, Occupational Health and Safety approval required.) Block 17
				Track Maintenance approval required.) Block 18
		If yes, 600 Area Landlord		
				thing equipment? (If yes, Electrical Utilities approval required.) Block 20
DE4 0 7/2 1/50 be with	thin or immediately ed		of a security	barrier or will uncover a security system for maintenance or modification?
☐ X be pe		or immediately adjacent		sewer, or water utility lines? (If yes, Steam/Water Utilities
be pe	rformed in the vicinity	y of telecommunication li	nes? (If yes, I	RM Plant Telephone approval required.) Block 23
	rformed in areas othe ing approval required.		ulidings, wate	r sites, and those required to remove existing surplus facilities? (If yes, Site
11. List Facilities, Servi	ices, and Utilities afte	octed by Excavation		SUPPLEMENTAL APPROVALS
		COMMISSIONED P	ER WAC	17. Occupational Health & Sufety Date
				18. Track Maintenance Date
	REQUIRED AP			N/A
12. Cultural Resources HCRC # 95-60	200		Date 7/2//91	19. 600 Prof Landlord Date
HUKU # 95 60 13. Occupational Healt		/Project Packages only)	Date	20. Electrical Utilities Date
N/A				N/A
RWP Required Ye	■ No 🔀			21. Saleguards and Security Date N/A
14. Environmental des	urance (for W.O./Proje	ect Packages only)	Date 7/24/95	22. Steam/Water Utilities N/A
16. Cognizant Engineer	(for W.O./Project Page	ckages only)	Date 0/21/95	23. IRM Plant Telephone (24 hours prior to start)
18. Facility/Plant Mana	204 July geluffor W.O./Project	Packages only)	Date	N/A 24. Site Planning Date
N/A				7/24/95 A-7400-373 106/92
				7 77-700-373 (00)82

Post-It brand fax transmittal memo 7671 Folipages > 4

The Device Subject Prom De Caddre T

Co. Proc.

Dept. - Phone # 376 507

Fax # 373 7495 Fax # 373-2958



Pacific Northwest Laboratories
Battelle Boulevard
P.O. Box 999
Richland, Washington 99352
Telephone (509) 376-8107

July 20, 1995

No Known Historic Properties

Mr. D. E. Skoglie Westinghouse Hanford Company Well Services P. O. Box 1970/S3-24 Richland. WA 99352

Dear Mr. Skoglie:

CULTURAL RESOURCES REVIEW OF THE WELL DECOMMISSIONING. HCRC #95-600-046.

In response to your amended request received June 16, 1995, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review for two of the wells, 699-84-61B and 899-50-28 of the subject project. According to the information that you supplied, a drill and support equipment, including a compressor, support trailer, circulation tanks, etc., may be used at each well location during decommissioning. The remaining 12 wells requested as part of this review will be addressed in separate correspondence.

The two wells were visited by HCRL staff on July 19, 1995. Well 699-84-61B is located just to the south of 100 N (Figure 1). The area around the 6 inch diameter well and the access route to the well was examined for cultural remains. The well is in an area which has been extensively disturbed and is between a railroad track, a paved road, and a dirt road. The area around the well is flat. A pile of railroad ties and cement blocks were observed in the vicinity of the well. Russian thistie was the only plant observed growing in the well vicinity.

Well 699-50-28 is 10 m north of Route 2A near the east end of Gable Mountain (Figure 2). The ground around the 8 inch diameter well has been disturbed by well construction and maintenance as evidenced by vehicle tracks. An area 20 m in diameter around the well was examined for cultural remains. None were observed.

It is the finding of the HCRL staff that there are no known affected historic properties within the proposed project areas, however, well 699-84-61B may be within the traditional cultural property of Mooli-mooli and consultation with the Tribes by DOE-RL may be necessary. The workers must be directed to watch for cultural materials (e.g., bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until a cultural resource specialist has been notified, assessed the significance of the find, and, if necessary, arranged for mitigation of the impacts to the find. The HCRL must be notified if any changes to project location or scope are anticipated. This part of the project is a Class III and Class V undertaking, defined as a project which involves new construction in a disturbed, low-sensitivity area and in an undisturbed area.



Mr. D.-E. Skoglie July 20, 1995 Page 2



Copies of this letter have been sent to Dee Lloyd, DOE, Richland Operations Office, as official documentation. If you have any questions, please call me at 376-8107. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,

N. A. Cadoret

Technical Specialist Cultural Resources Project

cc: D. Lloyd, RL (2)
L. L. Christi

File/LB

Concurrence:

Cultural Resources Project



July 19, 1995

Mr. Dave E. Skoglie Westinghouse Hanford Company P. O. Box 1970, MSIN S3-24 Richland, WA 99352

Dear Mr. Skoglie:

BIOLOGICAL REVIEW OF THE 600 AREAS WELLS RECOMMENDED FOR DECOMMISSIONING PROJECT, 600 Area, #95-600-046

Project Description:

Decommissioning of wells #699-97-47; -83-36F; -86-64; -S24-198; -50-28; -81-47; -82-47; -81-46; -84-61B; -80-39B; and 199-B4-2 & -3.

Survey Objectives:

- To determine the occurrence in the well areas of plant and animal species protected under the
 Endangered Species Act (ESA), candidates for such protection, and species listed as threatened,
 endangered, candidate, sensitive, or monitor by the state of Washington, and species protected
 under the Migratory Bird Treaty Act,
- To evaluate the potential impacts of disturbance on priority habitats and protected plant and animal species identified in the survey.

Survey Methods:

- Pedestrian and ocular reconnaissance of the proposed sites were conducted by R. Zufeit and A. Stegen on July 12 & 18, 1995. The Braun-Bianquet cover-abundance scale (Bonham 1989) was used to determine percent cover of dominant vegetation,
- Priority habitats and species of concern are documented as such in the following: Washington Department of Fish and Wildlife (1993, 1994), U. S. Fish and Wildlife Service (1985,1994a & b) and Washington State Department of Natural Resources (1994).

Survey Results and Conclusions:

- The vicinity of the wells has been previously disturbed. Vegetation is characteristic of disturbed areas and consists primarily of cheatgrass (*Bromus tectorum*), Jim Hilf's tumble mustard (*Sisymbrium altissimum*), and Russian thistle (*Saisola kali*),
- No migratory bird species were observed nesting in the vicinity of the proposed well decommissioning sites,



Dave E. Skoglie 95-600-046 Page 2 of 3-

> No plant and animal species protected under the ESA, candidates for such protection, or species listed by the Washington state government were observed in the vicinity of the proposed sites.

Recommendations:

 No adverse impacts to species or habitats of concern are expected to occur from the proposed actions.

Sincerely,

CA Brandt, Ph.D. Project Manager

Ecological Compliance Assessment

CAB:rkz



Dave E. Skogile 95-600-046 Page 3 of 3

REFERENCES

Bonham, Charles D. 1989. Measurements for Terrestrial Vegetation, published by John Wiley & Sons, Inc. pp. 127-128.

- U. S. Fish and Wildlife Service. 1965. Revised List of Migratory Birds; Final Rule. 50 FR 13708 (April 5, 1985).
- U. S. Department of Interior, U. S. Fish and Wildlife Service. 1992a. Endangered and Threatened Wildlife and Plants. 50 CFR 17.11 and 17.12. (August 29, 1992).
- U. S. Fish and Wildlife Service. 1994b. Endangered and Threatened Wildlife and Plants, Animal Candidate Review for Listing as Endangered or Threatened Species, Proposed Rule, 50 CFR 17. (November 15, 1994).

Washington Department of Fish and Wildlife. 1993. Priority Habitats and Species. pp. 22.

Washington Department of Fish and Wildlife. 1994. Species of Special Concern in Washington. (April 1994).

Washington Department of Natural Resources. 1994. Endangered, Threatened & Sensitive Vascular Plants of Washington. (January 1994).



File Original and First Copy with Department of Ecology Second Copy — Owner's Copy

WATER WELL REPORT

A32077 A9033

UNIQUE WELL I.D. #

Thir	d Copy — Driller's Copy	ASHINGTON Water Right Permit No. N/A	
_	OWNER: Name U. S. Department of Energy	Richland, Washington 99352	
(2)	LOCATION OF WELL: county Benton	SE 14 NW 14 Sec 28 T 14 N. R 251	E w.m.
• •	STREET ADDRESS OF WELL (or nearest address)		
(3)	krigation	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION	
	□ DeWater Test Welf 30 Other □	Formation: Describe by color, character, size of material and structure, and show thickness of and the kind and nature of the material in each stratum penetrated, with at least one entry	
(4)	TYPE OF WORK: Owner's number of well 699-84-61B	change of information. MATERIAL FROM	TO
	Abandoned	Reference attached as-built.	
	Reconditioned Rotary Jetted		$\overline{\angle}$
(5)	DIMENSIONS: Discreter of well 6.0 inches.		/
/6 \			
(0)	CONSTRUCTION DETAILS: Casing Installed: 5.0 Diam. from +1.9 ft. to 115.0 ft.		
	Welded Diam. from 1. to 1.		
	Thresded Diam. from t. to t.		
	Perforations: Yes 🗵 No 🗆		
	Type of perforation used Holte SIZE of perforations 1.0 in. by 1/4 in.		
6	SIZE of perforations 1.0 in. by 1/4 in. cuts/ft perforations from 3.0 ft. to 25.3 ft.		
	perforations fromft. toft.		
	Screens: Yes No K		
	Manufacturer's Name Type Model No		
	Diam. Slot size from ft. to ft.		
_	DiamSlot sizeft. toft.	NA	
	Gravel packed: Yes No 😿 Size of gravel		
	Gravel placed fromft. toft.		
	Surface seal: Yes No 2 To what depth? 1. Material used in seal		
	Did any strata contain unusable water? Yes No		
	Type of water? Depth of strata		···
	Method of sealing strate off		—
(7)	PUMP: Manufacturer's Name H.P.		
	Type:		
(8)	above mean see level T.	Work Started <u>07/26/95</u> 19. Completed <u>07/26/95</u>	19 <u>95</u>
	Static level 76 0 1. below top of well Date 12/72 Artesian pressure be, per aguitre inch Date	WELL CONSTRUCTOR CERTIFICATION:	
	Artesian water is controlled by (Cap, valve, etc.)	t constructed and/or accept responsibility for construction of this well, as	
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	compliance with all Washington well construction standards. Materials uses the information reported above are true to my best knowledge and belief.	o and
ν,	Was a pump test made? Yes No If yes, by whom?	NAME Westinghouse Hanford Company	
	Yield:hrs.	NAME Westinghouse Hanford Company (PERSON FIRM OF COMPONITION) (TYPE OF PRINT)	
	P 9 0 0	Address P.O. Box 1970 Richland, WA 99352	
	Recovery data (time taken as zero when pump turned all) (water level measured from well	(Signed) A Javid & Skoglie License No. 1580	
1	top to water level) Ime Water Level Time Water Level Time Water Level	(WELL DWILLER)	
		Contractor's Registration	96
		10	_6_
	Date of test	(USE ADDITIONAL SHEETS IF NECESS RY)	
	Bailer testgal./min. with hrs.	Ecology is an Equal Opportunity and Affirmative Action and Joyer, For	spe-
	Airtestgal./min. with stem set atft. forhrs. Artestan flowg.p.m. Date	cial accommodation needs, contact the Water Resources Program at ((206)
_	Temperature of water Was a chemical analysis made? Yes No	407-6600, The TDD number is (206) 407-6006.	

A9033

RESOURCE PROTECTION WELL STRUCTURE FIELD INSPECTION REPORT



6-84-61B A 9033

nepector (print) DE SKOGLIE		
Signature David & Skoglie	aliteria Marie Charles de Levelan	na pagasa
WELL IDENTIFICATION IL	O MARKINGS	
is the well labeled?	☐ Y••	₩ No
If yes, should the casing be relabeled?	Yes	□ No
Does the well have a brass marker?	Yes	☑ No
If yes, is the brass marker stamped with well ID?	Yes	□ No
Does the casing need to be painted/ repainted thus requiring relabeling?	☐ Yes	₩ No
kregularities	4207	

Does well have a barber pole?	□ Yes	Ø No	If no, is one needed?	Пуо	□ No
Does well have an identification sign	Yes	☑ No	If no, is one needed?	Yes	and present the second of the
posted at entrance to access route?		\$1065-01-12-32	T. 177	- 11 , - , ,	2 /
Is well located in or around a particular facility? (e.g., 216-A-10 crib, B-Y Tank Farms, B-Pond, etc.)	Yes	No	If yes, identify facility	FOUL & WE	eactin,
Is well located in a radiation zone?	Yes	No No	If yes, describe zone type		
Irregular/Damage (describe)	120	A STATE OF THE STATE OF		· 西南州 (1871) · 中海州	TORNAL PROPERTY WAS LIVED AND THE STATE OF
A STATE OF THE STA	WEDEC	T WELL SUREA	CE PROTECTION MEASURES	15,4441 - 1401 - 1	Holy Parks
expedition to the contract of a contract of the second sections and contract of the contract o	Color of Water State of the	Territorio de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de	CE PROTECTION MEASURES LL CAPS	Contract to the state of the contract	water - Market Reservation and the state of
		Marie Control	13.54 ft A.		
is the well capped?	Yes	☑ No			mentricular de la Salara de la Caracia de la
is the cap able to be looked?	☐ Yes	☑ No	Special control of		and Mark States and Total
is the cap locked?	Yes	₩ No			
Describe existing problems with well cap, if any,	or check none:	/	None		
- NA	CALL PROPERTY OF THE PARTY OF T	And the Management	to the setting and the second	THE STATE OF THE STATE OF THE STATE OF	Market Commission Comm
43 44 50	2 · 1	CONC	RETE PAD		And the state of the party
	in. x 18 in.		t round	Is it damaged?	Yes No
Irregular/Damage (describe) NA	NOTE OF THE PARTY		 Fig. at Squares and account of an additional particles on the con- mitted. 	taran Majaban saat Meleta ah in Coo	enter a particular de la Arra de production de la companya del companya de la companya de la companya del companya de la compa
ALTERNATION SOF	5 # N.	BARR	ER POSTS		//
Four posts, min. 3 in. ID, 1 removable?	Yes	⊠ No			
If no, describe barrier posts:	How many	posts?	V4	Diameter of posts	, vt
	is there a r	removable post	□ Y•• Æ	No	
irregular/Damage (describe)		e an especial content of the			

WELL SITE IDENTIFICATION

امل در هدار

Casing Describe type of casing. Describe type of casing (e.g., carbon steel, stainless steel, PVC, etc.) Outer casing: OD/ID:
Outer casing: OD/ID: Type Sch. 40 Carbin Sch. 40 Carbin Sch. 40 Car
Other casing: OD/ID: Type Other casing: OD/ID:
Other casing: OD/ID:
Other casing: OD/ID:
escribe condition of top edge of the highest most casing: Jegged
Jagged Uneven Fairty Level Beveled Start (describe) Secribe protective casing damage, if any (e.g., hole in casing, bent, etc.), or check none: None Casing @ a shight angle Istance from: (check one) None Sampling Equipment installation Sampling Equipment installation Hydrostar Submarsible Bladder None Hydrostar Plets Well Seal J-Hook Steel Cable Pitless Adapter Steinless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized Sampling Equipment installation Steel Cable Pitless Adapter Steinless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized Steel Cable None Steel Cable Pitless Adapter Steel Cable Pitless Adapt
escribe protective casing damage, if any (e.g., hole in casing, bent, stc.), or check none: CASING @ A Shight Angle istance from: (check one) SAMPLING EQUIPMENT INSTALLATION SAMPLING EQUIPMENT INSTALLATION
Stance from: (check one) Cement Pad To top edge of highest most casing 1.9 FT
SAMPLING EQUIPMENT INSTALLATION SAMPLING EQUIPMENT INSTALLATION
SAMPLING EQUIPMENT INSTALLATION secribe type of pump system: Hydrostar Submersible Bladder None
SAMPLING EQUIPMENT INSTALLATION secribe type of pump system: Hydrostar Submersible Bladder None secribe type of pump system support: Hydrostar Plate Well Seal J-Hook Steel Cable Pitless Adapter secribe type of pump system: 3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized
SAMPLING EQUIPMENT INSTALLATION escribe type of pump system: Hydrostar Steel Submersible Bladder None escribe type of pump system support: Hydrostar Plate Well Seal J-Hook Steel Cable Pitiess Adapter escribe type of pump system: 3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized
Hydrostar Submersible Bladder secribe type of pump system support: Well Seal J-Hook Steel Cable Pitiess Adapter secribe type of pump system: 3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized
Hydrostar Submersible Bladder secribe type of pump system support: Hydrostar Plate Well Seal J-Hook Steel Cable Pitiess Adapter secribe type of pump system: 3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1/2 in. galvanized
escribe type of pump system support: Hydrostar Plate Well Seal J-Hook Steel Cable Pitiess Adapter escribe type of pump system: 3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1 1/2 in. galvanized
secribe type of pump system: 3/4 in. Stainless Steel
3/4 in. Stainless Steel 1 1/2 in. ABS 1 in. PVC 1 1 1/2 in. galvanized
egular/Demage (describe)
WELL ACTE A CETTA
<u>WELL SITE SAFETY</u>
escribe debrie present at well sits, if any, or check none:
escribe well site irregularities (e.g., down in pit, locked building, overhead electrical pawer lines, on slope), or check none:
Power lines "200" West and Rail Road TRACKS "80 FT North
SURVEY INFORMATION
ls stamp disarty visible?
escribe survey mark location: Top edge of highest most casing Bress Marker Both M None Yes No
ther (describe)
DEPTH MEASUREMENTS
epth to Water: NH Depth to Bottom: 21.8-1.9 = 19.9 FT 65
omments:
COMMENTS
This Well is 2 105 FT West of Well A 4702 (1-N.59)
A A
in the second se
\(\frac{1}{2}\)
A-8000-499R (f

WHC-SD-EN-AP-161, Rev 0, Appendix F

BESOURCE PROTECTION GROUNDWATER WELL	1. Well No. 699-84-61B
STRUCTURE FITNESS FOR USE CHECKLIST	
STRUCTURE FIRMESS FOR USE CHECKLIST	Page 1 of 2
2. Her a need for use of the well been identified and documented?	
(<u>No</u> 1 <u>No potential user identified</u>	
3. Is well presently in use?	
, No , No use identified .	ł
4. Is casing sealed in accordance with IAW WAC 173-160-075?	· · · · · · · · · · · · · · · · · · ·
[No] No documented annular seal	
4a. Natural barriers preserved?	
N/A well terminates within upper sediment	
4b. Aguiler/strata pentrated permanently sealed?	
No No seals documented	
- 4c, Annulus seeled against surface water?	
No No surface seal documented	
4d. Cealing overlap more than 8 ft; packed and grouted?	
1 N/A 1 Not applicable	
[Yes] Capped not locked	
6. In design and construction IAW WAC 173-160-5007 No 1 No annularseal	
6a, Saturated formation/equifers not connected?	
(<u>N/A</u>) Not applicable	
6b. Cuttings/development water handled IAW WAC 173-303?	
(<u>N/A) Not applicable</u>	
Sc. Well properly indentified?	
[No] No permanent identification	
7. Is surface protection IAW WAC 173-180-5107	
No No surfaceseal documented	
7a. Well capped and protected?	
(No) Capped, not locked	<u></u>
7b. Protective posts, surface pad or cover installed?	
1 No 1 No posts or pad	
7c. Surface protection waived or verlance obtained?	
N/A Not applicable	
7d. Is existing surface protection damaged?	
<pre>1 N/A Not applicable</pre>	
8. Are desing materials IAW 173-180-520?	
N/A Not applicable	
9. Was drill rig/drilling equipment cleaned IAW WAC 173-160-530?	
[N/A] Not applicable	
9a. Drill rig/equipment casing/screen cleaned?	
(N/A) Not applicable	
9b. Filter pack cleaned? Material compatible?	
(N/A) Not applicable	
RCRA/CERCLA MONITORING WELL?	
10. Dass water sample from vertical screened interval represent horizontal	
stratigraphy?	ì
(N/A) Not applicable	
10a. Screened interval documented?	j
: N/A Not applicable	
10b. Vertical lithology decumented?	·
(No) Not documented	
	A-6000-451 (06/93)



WHC-SD-EN-AP-161, Rev 0, Appendix F

BESOURCE PROTECTION GROUNDW STRUCTURE FITNESS FOR USE CI	1. Well No. 699-84-618 Page 2 of 2	
11. le design and sonetruction IAW WAC 173-180-5407 [N/A] Not applicable		
11a. Screen commercially fabricated of material nonreactive to se [N/A] Not applicable	ubsurface gonditions?	
11b. If filter pack installed, extends from bottom of screen to at [N/A] Not applicable	least 3 ft above screen.	
11c. Well has been developed. [N/A] Not applicable		
11d. Annulus grouted with bentonits or bentonits/cement mixture 1 N/A 1 Not applicable	·	
12. Does water sample meet established acceptance criterie? Sample le lees than 5 NTU and sand free. [N/A] Not applicable		
13. Date Sources Used: Logs: Net document of		
Loge: Driller's: Not documented	Date:	
Geologiet:		
Geophysical:		
Television: Publications: Title, Author, Date	Dete:	Company:
HANFORD WELLS. M. A. Chamness and J.	K. Merz. August	1993
TOTAL OND RELECT (I. 1). SHAMILESS AND V.	N. NOICI PARAGO	
Databases:		
WHC Well Services	22/22/	
Field Check: Well Services	Date: 03/28/9	OS COMPANY: WHC
Other:		
14. Comments: Identify evaluation criteria addressed by number:		
		
		
15, Status	<u></u>	
Well is acceptable for intended use {		
	I/A ₁ Not appli	
	lo Not applica	
100000000000000000000000000000000000000		identified user
Decommission, well is unneeded or cannot be remediated (<u>es i well has n</u>	o identified need
Other	! __	
16. Status Recommendation. Done By: Name: T. J. Wood Tit	: <u>Senior Engineer</u>	Date: 06/30/95



A-8000-451R (06/93)

	FIELD ACTIVITY REPORT TON PECCET COPY						
Dete		1 2222	ntinustion of Report No.				
ク-	26-	95 699-84-61B	49033-01				
1.0	CEM	ENT STAGE VOLUME CAL		_			
	1.1	Cement Volume - Open Hol		S ID of casing or diameter of hole, inches - D			
				= 23,46 Gallons of cement required			
		23 feet x 0.005454	x <u> </u>	= 3.14 Cubic feet of cement required			
	1.2	Cement Volume - Annular S	Spaces				
		-		diameter, inches; d = OD of Tubing, inches			
		Between Casing and Ho		diameter, inches; d = OD of Casing, inches)			
		Between Tubing and Ca		Casing, inches; d = OD of Tubing, inches)			
	,	Between Casings	(D = 1D of	outer Casing, inches; d = OD of inner Casing, inches)			
		D = d =	Numbe	r of tubing strings			
		feet x 0.0408 x	[D^2 - (_d ² x ⁿ)] = Gallons of cement required			
		1861 x 0.005454 x	[D ² - (d ² xn)] = Cubic feet of cement required			
2.0	-	RRY MIX CALCULATIONS					
	2.1			_ lbs/sack: _ 94 _ ft ³ /sack (mixed): _/./8			
				/sack (mixed) = Z 66 sacks			
		2.66 sacks + 134	sacks excess 1 6.	5 % required) = 4 Total sacks required			
	2.2 Calculate Mix Water						
ļ	2.3	Calculate Additive Amount					
		Type T	otal sacks x	lbs/sack x % = lbs_required			
			otal sacks x				
		TypeT	Cemen	Additive Additive			
3.0	DIS	PLACEMENT VOLUME CAL	CULATIONS	A			
	3.1	Balanced Plug Displacemen		,			
·				er level) = feet to be displaced			
	_	ft. (to be displace	d) x gal/ft.	= gallons of displacement water required			
4.0	REN	MARKS					
 _							
_		·					
_							
				1			
Rep	ort E	By Texy Mccaf		Reviewed By D. E. Skoglie			
		Dillex		Title SP. Deilling Engineer Date 08/17/95			
Sig	natur	· 714/ 119 C		Signature David E. Skeghi			

TELD ORDER NO
WELL ID
WELL NAME
HOST WELL ID

A	90	97	7	
699	7 - 9	78-	5	44

DRILL DATE	
CONST DATE	
CONST DEPTH	

LAST INSPECTION	
NORTHING	
EASTING	
FI FVATTON	

					A = 5.1% =	_			
LAST INSPECTION	INFOR	MATI	ON		CURRENT INSPECTION IN	FORM	ATION	 J	
WELL PAD		YES	. NO	□ ND*	WELL PAD		YES		NO
BRASS SURVEY MARKER	_	YES	□ NO	ND*	BRASS SURVEY MARKER	-	YES		NO
MARKER STAMPED WITH SURVEY DATA	[YES	l. NO	ND*	MARKER STAMPED WITH SURVEY DATA		YES		NO
MARKER STAMPED WITH WELL ID DATA		YES	□ NO	ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH WELL ID		YES	□ NO	□ ND*	WELL LABELED WITH WELL ID		YES		NO
WELL LABELED WITH WELL NAME		YES	□ NO	□ ND*	WELL LABELED WITH WELL NAME		YES	1!	NO
PROTECTIVE POSTS		YES	□ NO	ND*	PROTECTIVE POSTS		YES		NO
REMOVABLE POST IN PLACE		YES	E NO	ND*	REMOVABLE POST IN PLACE		YES		NO
WELL LOCK		YES	□ NO	□ ND*	WELL LOCK		YES		NO
WELL DAMAGED	= ,	YES	□ NO	ND*	WELL DAMAGED		YES	i	NO
WELL IS DRY		YES	NO	□ ND*	WELL IS DRY		YES		NO
PARTED CASING		YES	NO	□ ND*	PARTED CASING		YES		NO
BENTONITE IN WELL		YES	NO	ND*	BENTONITE IN WELL	[7]	YES		NO
WELL SANDED IN		YES	NO	ND*	WELL SANDED IN		YES		NO
OLLAPSED CASING		YES	NO	ND*	COLLAPSED CASING		YES		NO
EQUIPMENT IN WELL		YES	NO	□ ND*	EQUIPMENT IN WELL		YES	[]	NO
DEBRIS IN WELL		YES	NO	□ ND*	DEBRIS IN WELL		YES		NO
LAST PUMP INF	ORMAT	TION			CURRENT PUMP INFOR	₹MAT	ION		
PUMP ACTIVITY PERFORMED		REPL REMO	OVED	ND*	PUMP ACTIVITY PERFORMED		REPLA	ACED VED	
PUMP TESTED	~ :	REPA YES	_ NO	[ND*	PUMP TESTED		REPAI YES	KED	NO
NEW PUMP		YES	NO	□ ND*	NEW PUMP		YES		NO
ACTIVITY PEFORMED BY					ACTIVITY PEFORMED BY				
DATE ACTIVITY PERFORMED					DATE ACTIVITY PERFORMED				
PUMP TYPE					PUMP TYPE				·
PUMP MAKE	, ,				PUMP MAKE				
PUMP MODEL					PUMP MODEL				
PUMP INTAKE DEPTH (ft)					PUMP INTAKE DEPTH (ft)				
TUBING SIZE (in)		.,			TUBING SIZE (in)				
TUBING MATERIAL					TUBING MATERIAL				
TUBING LENGTH (ft)		4.			TUBING LENGTH (ft)				
TUBING CONNECTION					TUBING CONNECTION				
<u> </u>			and the second second second		Ç., .,				

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED	DATE	COMMENTS	SOURCE	DATE_OF_S	SOURCE
A9096	699-98-54A	10/01/1994		DECOMMISSIONED			

Query HWIS again

HWIS Interface - Survey Information - Horizontal

WELL_ID	WELL_NAME	SURVEY_CONTRACTOR	DATUM_TYPE	SURVEY_DATE	MEASUREMENT_METHOD	NORTHING	EASTING	SURVEY_UNITS	QUALIFI
A9096	699-98-54A	вні	NAD83(91)	01/01/1801	ESTIMATED	153123	573425	m	Р

TELD ORDER NO /ELL ID	A9971 BH#1		_		CONS.	T DATE	=	LAST INSPE NORTHING EASTING	CTION	1/1/	1801		
WELL NAME HOST WELL ID	<u>DU#1</u>					T DEPI		ELEVATION					
	AST INSPECTION	T		ON				CURRENT INSPECTIO				r :	i
WELL PAD		! <u> </u>	YES		NO	✓ NI		BRASS SURVEY MARKER		_ YE			NO
BRASS SURVEY MARKE		<u> </u>	YES		NO	✓ NI				YE	:S	<u> </u>	NO
MARKER STAMPED WI			YES		NO	✓ NI	D*	IMARKER STAMPED WITH SURVEY DA		YE	:S	— ⁱ	NO
MARKER STAMPED WI	TH WELL ID DATA		YES		NO	▼ N	D*	MARKER STAMPED WITH WELL ID D	AIA [YE	:S		NO
WELL LABELED WITH	WELL ID		YES		NO	✓ NI	D*	WELL LABELED WITH WELL ID		YE	:S		NO
WELL LABELED WITH	WELL NAME		YES		NO	✓ NI	D*	WELL LABELED WITH WELL NAME		YE	is		NO
PROTECTIVE POSTS			YES		NO	✓ NI	D*	PROTECTIVE POSTS	:	YE	:S		NO
REMOVABLE POST IN	PLACE		YES		NO	☑ N	D*	REMOVABLE POST IN PLACE		_ YE	:S	_	NO
WELL LOCK		-	YES	_	NO	V N	D*	WELL LOCK	-	YE	:S	[]	NO
WELL DAMAGED			YES		NO	✓ N	D*	WELL DAMAGED	-	YE	<u>:</u> S		NO
WELL IS DRY			YES		NO	₹ N	D*	WELL IS DRY		YE	 ES		NO
PARTED CASING			YES		NO	V N	D*	PARTED CASING		YE	 :S		NO
BENTONITE IN WELL		=	YES		NO	✓ N		BENTONITE IN WELL	-	YE	 ES		NO
WELL SANDED IN			YES		NO	✓ N		WELL SANDED IN	-	YE			NO
'LLAPSED CASING			YES		NO	V N		COLLAPSED CASING		YE			NO
UIPMENT IN WELL			YES	=	NO	✓ N		EQUIPMENT IN WELL		YE			NO
DEBRIS IN WELL		<u> </u>	YES		NO	✓ N		DEBRIS IN WELL		_ YE			NO
SURFACE EROSION		<u></u>			NONE			SURFACE EROSION			ajor		NONE
		· _	MINO			_					INOR		NO.NE
	LAST PUMP IN	FORM						CURRENT PUMP I	NFORM	4TIO	4		
PUMP ACTIVITY PERF	ORMED		INST	ALLE)			PUMP ACTIVITY PERFORMED		: I	NSTAL	LED	
			REPL	ACED	1	¥ N	D*	!		R	EPLAC	ΈD	
			REMO	OVED						R	EMOV	ED	
PUMP TESTED			YES		NO	⊻ N	ID*	PUMP TESTED	·	Y	ES		NO
NEW PUMP			YES.		NO	✓ N	D*	NEW PUMP		Y	ES		NO
ACTIVITY PEFORMED	BY	ND*						ACTIVITY PEFORMED BY					
DATE ACTIVITY PERF	ORMED							DATE ACTIVITY PERFORMED					
PUMP TYPE		ND*						PUMP TYPE					
PUMP MAKE		ND*						PUMP MAKE	ļ.				
PUMP MODEL		ND*						PUMP MODEL	.,				
PUMP INTAKE DEPTH	(ft)							PUMP INTAKE DEPTH (ft)	İ				
TUBING SIZE (in)								TUBING SIZE (in)					
TUBING MATERIAL		ND*						TUBING MATERIAL	<u> </u>				
TUBING LENGTH (ft)		1						TUBING LENGTH (ft)					
JING CONNECTION	N	ND*						TUBING CONNECTION					

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	A9971 BH#1		CONST DATE		LAST INSPECT NORTHING EASTING ELEVATION	ION <u>1/:</u> ————————————————————————————————————	1/1801
	MEASUREMEN	T INFORMATION	- · · · · · · · · · · · · · · · · · · ·				··
:		LAST	CURRENT		$\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ c		
A DEPTH TO WATER(f	ft)						
DEPTH TO WATER I	DATE						
B DEPTH TO BOTTOM	l(ft)			:			
DEPTH TO BOTTOM	DATE					A	
C STICK UP(ft)							
D REFERENCE MARK(f							
REFERENCE MARK I	S TOC YES	NO 🗸 ND	YES NO				В
	PERFORATIO	N INFORMATION					
CASING SIZE TO	р воттом	CUTS/FT/ROUND			▼ Depth to Water		
CHANGES					Depth to Bottom of		ttom of Casing
	CASING I	NFORMATION		B DEPT	H TO WATER FROM TOP O H TO BOTTOM OF WELL F OF CASING TO GROUND S	ROM TOP O	AD :
SIZE TOP	воттом	MATERIAL	ТҮРЕ		OF CASING TO SURVEY RI		MAKKER
SIZE TOP	BOTTOM	PIATERIAL	1176	CONNI	ECTION THICKNE	.55	
CHANGES							- V.
	SCREEN I	NFORMATION				,	
SIZE TOP	воттом	MATERIAL	i	ГҮРЕ	SLOT SIZ	ZE	
CHANGES							

51.5

P.O. Box 1970 Richland, WA 99352

September 28, 1994

9456555

State of Washington Department of Ecology Post Office Box 5128 Lacey, Washington 98503-0210

ATTN: Cashiering Unit

NOTICE OF INTENT TO CONSTRUCT AND DECOMMISSION WELLS ON THE HANFORD SITE

Attached please find four Notices of Intent to Decommission Wells at the Hanford Site for five wells. The notification numbers are as follows:

A32014 A32015 A32016 A32017

These wells will be decommissioned on the Hanford Site owned by the U.S. Department of Energy. Required fees will be submitted quarterly from Westinghouse Hanford Company's Purchasing Organization.

Should you have any questions, please contact Mr. R. Szymarek of the State of Washington Department of Ecology at (206) 407-6648.

Very truly yours,

M. G. Gardner, Manager

Well Services

Earth and Environmental Technical Services

aeh

Attachments 4

BHI - J. D. Fancher

R. C. Havenor

KEH - S. E. Imhoff

PNL - M. A. Chamness

RECEIVED

SEP 2 9 1994

ICF KAISER HANFORD COMPANY ENVIRONMENTAL RESTORATION SERVICES

Query HWIS again

HWIS Interface - Well History Information - Decommisioning

WELL_ID	WELL_NAME	DECOMMISSIONED_DATE	COMMENTS	SOURCE	DATE_OF_SOURCE
A9971	BH#1	07/22/1997	DECOMMISSIONED		



NOTICE OF INTENT TO DECOMMISSION A WELL

This form must be received by the Department of Ecology three days before you decommission a well. Complete both sides of this form. Submit one form for each job site. Mail this form to Department of Ecology, Water Resources Program, Well Drilling Unit, P.O. Box 47600, Olympia, WA 98504-7600. Instructions for filling out this form are printed on the back.

Jui	ing out this form are prin	itea on the	раск.			
١.	PROPERTY OWNER: U	S Depar	tment of Energy		PHONE NO.(<u>50</u>	9 376-2908
2.	ADDRESS: . 825 Jade	vin Ave,	Richland, WA. 99320)		
3.	AGENT (If different from #1)	: West	inghouse Hanford Co.		PHONE NO.(<u>50</u> 9	376-2908
4.	ADDRESS: P.O. Box	(1970, M	SIN N3-06, Richland,	WA. 99	9352	
5.	JOB SITE/WELL LOCATION	N: ¼	of theNW 4 Section	11 Town	ship 10N Range 28	E E.WM or (circle one W.WM
6.	STREET ADDRESS (if know	n):N/A		···		
7.	WELL IDENTIFICATION N	UMBER:	A9971 & A9972 (TEMPO	rary nai	MESBH #1 & BH #2)	
8.	LOCATION OF WELL(S): (1	olease check	county)			
the	DADAMS COUNTY DASOTIN COUNTY BENTON COUNTY CHELAN COUNTY CLALLAM COUNTY CLARK COUNTY COLUMBIA COUNTY COUNTY DOUGLAS COUNTY FERRY COUNTY FRANKLIN COUNTY GARFIELD COUNTY GRANT COUNTY GRANT COUNTY DEPOSON Submitting this notificerm to Department of Ecology,	ation. This	portion will be validated and r	15-NWR 16-SWR 17-NWR 18-NWR 19-CRO 20-CRO 21-SWR 22-ERO 23-SWR 24-CRO 25-SWR 26-ERO urn address	them as proof of notification	37.NWR 38-ERO 39-CRO ne and address of . Send the entire
	THIS NOTIFICATI	ON NUMBI	ER <u>MUST</u> BE PROVIDED 1	O YOUR	WELL DRILLER: A	32015
	SUBMITTED BY	(return add	ress) \downarrow		Agency	Validation
	NAME Martin	Gardner			Dáte:	
	MAILING ADDRESS	P.O. Bo	ox 1970/ N3-06		The product that so	A CONTRACT OF A MARRIES

99352

Continued on back →

WA. ZIP

STATE

Richland

ECY 040-24 (7/93)

10. APPROXIM	ATE WELL DECOMMIS	SSIONING START DATE: 10/94	
APPROXIMA	ATE WELL DECOMMIS	SIONING END DATE: 11/94	
11. WELL DRIL	LING COMPANY:	KAISER ENGINEERS HANFORD	PHONE: (509) 372-1780
12. WELL CON	TRACTOR'S NAME:	DARREL LUDTKE	DRILLER'S LICENSE # 1333
13. CONTRACT	OR'S REGISTRATION	NO #: KAISEEH 134 BM	
		(registrati	on under Labor & Industrics)
		AGENCY USE	
	Your	notification could not be validated. Ple	ase return with:
		Well location (see #5 & #6).	
		Name/Address of property owner (s	see #1).
		INSTRUCTIONS	
Items 1 and 2:	Property owner's name, processing delays.	daytime phone number and mailing o	address. Omission of this information may result in
Items 3 and 4:			acting as your agent and submitting this notification number. A receipt will be mailed to them.
Items 5 and 6:	located. This informati	nship, Range, Section, quarter section on can be found in your property lega ress for this property, please provide	, and quarter/quarter section where the well will be il description or the County Assessor's office. Also, this information.
Item 7:	If the well has a Depar	tment of Ecology Well Identification to	ig on it, record the six-character identifier here.
Item 8:	Circle the county in wh	ich the well is located.	<i>:</i>
Item 9:	submitting this form. M		d include the name and mailing address of the person of Ecology, Water Resources Program, Well Drilling
Items 10 - 13:	This information should	be obtained from your driller.	
FOR ASSISTAN	<u>'CE</u> :		

CONTACT THE DEPARTMENT OF ECOLOGY REGIONAL OFFICE WHERE THE WELL IS LOCATED (see codes in Item #8).

Central Regional Office (CRO): (509) 575-2800 Eastern Regional Office (ERO): (509) 456-2926 Northwest Regional Office (NWR): (206) 649-7000 Southwest Regional Office (SWR): (206) 586-6380

TELD ORDER NO WELL ID WELL NAME HOST WELL ID	A9972 BH#2					DATE DEPTH		LAST INSPECTION NORTHING EASTING ELEVATION	<u>1,</u>	/1/1801		- 11
L	AST INSPECTION	INFO	RMATI	ON			CURRENT	INSPECTION INFO	RM	ATION		,
WELL PAD			YES		10	✓ ND*	WELL PAD			YES		NO
BRASS SURVEY MARK	ER		YES		NO.	✓ ND*	BRASS SURVEY MARKER	}	[.]	YES		NO
MARKER STAMPED W	ITH SURVEY DATA		YES	[_]	NO	✓ ND*	MARKER STAMPED WIT	H SURVEY DATA		YES		NO
MARKER STAMPED W	ITH WELL ID DATA		YES		V O	✓ ND*	MARKER STAMPED WIT	H WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YES		NO.	✓ ND*	WELL LABELED WITH W	ELL ID		YES	F - 1	NO
WELL LABELED WITH	WELL NAME		YES		10	✓ ND*	WELL LABELED WITH W	ELL NAME		YES		NO
PROTECTIVE POSTS			YES		NO.	✓ ND*	PROTECTIVE POSTS	:		YES		NO
REMOVABLE POST IN	PLACE		YES		1 0	✓ ND*	REMOVABLE POST IN PI	LACE		YES		NO
WELL LOCK			YES		NO ON	✓ ND*	WELL LOCK		<u>.</u>	YES		NO
WELL DAMAGED			YES		NO	✓ ND*	WELL DAMAGED			YES		NO
WELL IS DRY			YES		NO	▼ ND*	WELL IS DRY			YES		NO
PARTED CASING			YES		NO	✓ ND*	PARTED CASING	!	,	YES	5	NO
BENTONITE IN WELL			YES	= 1	NO.	✓ ND*	BENTONITE IN WELL			YES		NO
WELL SANDED IN			YES		NO	✓ ND*	WELL SANDED IN	:		YES		NO
LLAPSED CASING			YES		NO	✓ ND*	COLLAPSED CASING		=:	YES		NO
EQUIPMENT IN WELL	<u></u>	[]	YES	ا 🗀 ا	NO	✓ ND*	EQUIPMENT IN WELL	i.		YES		NO
DEBRIS IN WELL			YES	[]	NO	✓ ND*	DEBRIS IN WELL	i		YES		NO
SURFACE EROSION			MAJO	R	NONE		SURFACE EROSION			MAJOR MINOR		NONE
	LAST PUMP IN	IFORM/	ATION				CURRI	ENT PUMP INFORM	LTA	ON		
PUMP ACTIVITY PERF	FORMED		INST	ALLED		_,	PUMP ACTIVITY PERFO	RMED		INSTAL	LED	
: : !			REPL REMO			✓ ND*				REPLAC REMOV		
PUMP TESTED			YES	[] [NO	✓ ND*	PUMP TESTED		=	YES		NO
NEW PUMP			YES		NO	✓ ND*	NEW PUMP			YES	Ē	NO
ACTIVITY PEFORMED	BY	ND*					ACTIVITY PEFORMED B	Υ				
DATE ACTIVITY PERF	ORMED	-					DATE ACTIVITY PERFO	RMED				
PUMP TYPE		ND*					PUMP TYPE	:				
PUMP MAKE		ND*					PUMP MAKE	•				
PUMP MODEL		ND*					PUMP MODEL					
PUMP INTAKE DEPTH	l (ft)	1					PUMP INTAKE DEPTH (ft)				
TUBING SIZE (in)		:					TUBING SIZE (in)	:				
TUBING MATERIAL	·	ND*	-				TUBING MATERIAL					
TIBING LENGTH (ft)		→ — ···——					TUBING LENGTH (ft)					
3ING CONNECTIO	N	ND*					TUBING CONNECTION					

FIELD ORDER WELL ID WELL NAME HOST WELL ID	A9972 BH#2		CONST DATE CONST DEPTH		NC EA	ST INSPECTI DRTHING STING EVATION	ON <u>1</u> 	/1/1801
	MEASURE	MENT INFORMATION		· · ·				-···
		LAST	CURRENT	·	 	D	1	Î
A DEPTH TO WA	TER(ft)							
DEPTH TO WA	TER DATE							
B DEPTH TO BOT			•					•
DEPTH TO BOT	TTOM DATE			·i				
CISTICK UP(ft)							A	
D REFERENCE M.	ARK(ft)		- ii · · · · · · · · · · · · · · · · · ·					
REFERENCE M.	ARK IS TOC	ES NO V ND	* _ YES _ NO	-			i	В
		TION INFORMATION						
CASING SIZE	ТОР ВОТТО	M CUTS/FT/ROUND	I					
· · · · · · · · · · · · · · · · · · ·			±	;	▼ Dept	th to Water	<u> </u>	
CHANGES								
					Depth t	o Bottom of 1	Weil	
						Dep	th to B	ottom of Casing
	···-					R FROM TOP OF		
	CASIN	G INFORMATION		С ТОР	OF CASING 1	TO GROUND SU TO SURVEY REF	RFACE/1	PAD
SIZE TO	ор воттом	MATERIAL	ТҮРЕ	CONI	IECTION	THICKNES	SS .	
CHANGES								
						····		
	SCREE	N INFORMATION						
C175 T								
SIZE TO	OP BOTTOM	MATERIAL	,	TYPE		SLOT SIZE	E ¦	
							!	
CHANGES					·· —			
								·
				· · ·		·		

P.O. Box 1970 Richland, WA 99352

September 28, 1994

9456555

State of Washington Department of Ecology Post Office Box 5128 Lacey, Washington 98503-0210

ATTN: Cashiering Unit

NOTICE OF INTENT TO CONSTRUCT AND DECOMMISSION WELLS ON THE HANFORD SITE

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A32014 A32015 A32016 A32017

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Should you have any questions, please contact Mr. R. Szymarek of the State of Washington Department of Ecology at (206) 407-6648.

Very truly yours,

M. G. Gardner, Manager Well Services

Earth and Environmental Technical Services

aeh

N SPRINGS

Attachments 4

BHI - J. D. Fancher

R. C. Havenor

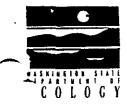
KEH - S. E. Imhoff

PNL - M. A. Chamness

RECEIVED

SEP 2 9 1994

ICF KAISER HANFORD COMPANY ENVIRONMENTAL RESTORATION SERVICES



NOTICE OF INTENT TO **DECOMMISSION A WELL**

This form must be received by the Department of Ecology three days before you decommission a well. Complete both sides of this form. Submit one form for each job site. Mail this form to Department of Ecology, Water Resources Program, Well Drilling Unit, P.O. Box 47600, Olympia, WA 98504-7600. Instructions for filling out this form are printed on the back.

hama	g om ma join are prin	ica on me	Duck.			
l. PR	OPERTY OWNER: U	S. Depar	tment of Energy		PHONE NO.(<u>50</u> 9	376-2908
2. AI	DDRESS: 825 Jady	in Ave,	Richland, WA. 99320)		
	•		inghouse Hanford Co.	•		376-2908
4. Al	DDRESS: P.O. Box	1970, M	SIN N3-06, Richland,	WA. 993	352	
			of theNW 4 Section	11 Townsl	hip10N Range28E	E.WM or (circle one) W.WM
6. S7	TREET ADDRESS (if know	n): <u>N/A</u>				
7. W	ELL IDENTIFICATION N	UMBER:	A9971 & A9972 (TEMPOR	rary nami	RSBH #1 & BH #2)	
8. LC	OCATION OF WELL(S): (p	olease check	county)			
the p	erson submitting this notifica	ation. This	GRAYS HARBOR COUNTY ISLAND COUNTY ISLAND COUNTY KING COUNTY KING COUNTY KITSAP COUNTY KITITAS COUNTY KICKITAT COUNTY LEWIS COUNTY MASON COUNTY MASON COUNTY PACIFIC COUNTY PEND OREILLE COUNTY PEND OREILLE COUNTY COUNTY PEND OREILLE COUNTY COUNTY PEND OREILLE COUNTY COU	15-NWR 16-SWR 17-NWR 18-NWR 19-CRO 20-CRO 21-SWR 22-ERO 23-SWR 24-CRO 25-SWR 26-ERO urn address	nem as proof of notification.	Send the entire
	THIS NOTIFICATION	ON NUMBI	ER <u>MUST</u> BE PROVIDED T	'O YOUR '	well driller: A 3	2015
_	SUBMITTED BY	(return add	ress) ↓		Agency \	/alidation
	NAME Martin	Gardner			Date:	The second of the second
	MAILING ADDRESS	P.O. Bo	ox 1970/ N3-06		Francisco Williams	

99352

WA. ZIP

STATE

ECY 040 24 (7/93)

Richland

Continued on back →

10. APPROXIM	ATE WELL DECOMMISSIONING START DATE: 10/94						
APPROXIMA	ATE WELL DECOMMISSIONING END DATE: 11/94						
11. WELL DRIL	LING COMPANY: KAISER ENGINEERS HANFORD PHONE: (509) 372-1780						
12. WELL CON	TRACTOR'S NAME: DARREL LUDTKE DRILLER'S LICENSE # 1333						
13. CONTRACT	OR'S REGISTRATION NO #: KAISEEH 134 BM						
	(registration under Labor & Industries)						
	AGENCY USE Your notification could not be validated. Please return with; Well location (see #5 & #6). Name/Address of property owner (see #1).						
	INSTRUCTIONS						
Items 1 and 2:	Property owner's name, daytime phone number and mailing address. Omission of this information may result in processing delays.						
Items 3 and 4:	Agent's name. If your driller, consultant or another person is acting as your agent and submitting this notification form, please provide their name, address and daytime phone number. A receipt will be mailed to them.						
Items 5 and 6:	Please provide the Township, Range, Section, quarter section, and quarter/quarter section where the well will be located. This information can be found in your property legal description or the County Assessor's office. Also, if you have a street address for this property, please provide this information.						
Item 7:	If the well has a Department of Ecology Well Identification tag on it, record the six-character identifier here.						
Item 8:	Circle the county in which the well is located.						
Item 9:	Please print when filling out the return address label. It should include the name and mailing address of the person submitting this form. Mail the entire form to the Department of Ecology, Water Resources Program, Well Drilling Unit, P.O. Box 47600, Olympia, WA 98504-7600.						
Items 10 - 13:	This information should be obtained from your driller.						

CONTACT THE DEPARTMENT OF ECOLOGY REGIONAL OFFICE WHERE THE WELL IS LOCATED (see codes in Item #8).

Central Regional Office (CRO): (509) 575-2800 Eastern Regional Office (ERO): (509) 456-2926 Northwest Regional Office (NWR): (206) 649-7000 Southwest Regional Office (SWR): (206) 586-6380

FOR ASSISTANCE:

TELD ORDER NO FILL ID WELL NAME HOST WELL ID	B2573 C-1-1					ST DATE ST DEPTH	LAST INSPEC NORTHING EASTING ELEVATION	TION	1/1, 	/1801		
	AST INSPECTIO	N TNEO	DMATT				CUBBBUT MODEOTON					
WELL PAD	ASI INSPECTION	1 TIALO		ON			CURRENT INSPECTION WELL PAD	INFO				
BRASS SURVEY MARK	FR		YES		NO	<u>✓</u> ND*	BRASS SURVEY MARKER	- <u> </u>			_=	NO_
MARKER STAMPED W				_ ; =	:	ND*	IMARKER STAMPED WITH SURVEY DAT		YI			_NO
MARKER STAMPED WI		1 1			NO	ND*	MARKER STAMPED WITH WELL ID DA		Y I	ΞS		NO
WELL LABELED WITH		<u>`</u>	YES		NO	✓ ND*	WELL LABELED WITH WELL ID	=	Y			NO _
WELL LABELED WITH					NO	✓ ND*	WELL LABELED WITH WELL NAME		YI			NO
PROTECTIVE POSTS	THE ITALIE	<u> </u>			NO	ND*	PROTECTIVE POSTS		_i_YI	ES	= 1	NO
REMOVABLE POST IN	DI ACE	<u> </u>	YES		NO_	✓ ND*	REMOVABLE POST IN PLACE	—. <u> </u>	Y		_:	NO
WELL LOCK			YES		NO	✓ ND*			YE			NO
L			YES		NO	✓ ND*	WELL LOCK	_	Y	ES		NO
WELL DAMAGED		<u></u>	YES		NO	✓ ND*	IWELL DAMAGED	_ <u>'</u> i.	YI	<u> </u>		NO
WELL IS DRY		.L.Ξ	YES		NO	✓ ND*	WELL IS DRY	<u> </u>	Y	<u>=</u> S		NO
PARTED CASING		- نــــــــــــــــــــــــــــــــــــ	YES		NO	✓ ND*	PARTED CASING		YI	ES	 L.	NO
BENTONITE IN WELL		<u> </u>	YES		NO	✓ ND*	BENTONITE IN WELL	. [Y	<u>-s</u>		NO
WELL SANDED IN	· ·		YES		NO	☑ ND*	WELL SANDED IN	· [YE	ES		NO
LLAPSED CASING		ر.اً إ	YES	:]	NO	☑ ND*	COLLAPSED CASING	- :	_' YE	<u></u> <u></u>		NO
JIPMENT IN WELL		j L.	YES		NO	✓ ND*	EQUIPMENT IN WELL		_ YE	S		NO
DEBRIS IN WELL			YES		NO	✓ ND*	DEBRIS IN WELL		_ YE	:: ::S		NO
SURFACE EROSION		T -	MAJOF	٠ ــــــــــــــــــــــــــــــــــــ	NON	E	SURFACE EROSION		м	AJOR	\equiv	NONE
· · · · · · · · · · · · · · · · · · ·			MINOF	ر بر ا	ND*	- 		 - <u>-</u>	_ M	INOR		
	LAST PUMP IN	NFORM	ATION		··		CURRENT PUMP IN	FORMA	TION	ł		
PUMP ACTIVITY PERFORMED		i _	INSTA)	1 41	PUMP ACTIVITY PERFORMED		_ II	NSTAL	LED	
		i	REPLA			✓ ND*	!			EPLAC		
PUMP TESTED	- · ·	<u> </u>		· ·			iPUMP TESTED			EMOV	ED	
NEW PUMP			YES		NO	. <u>▼</u> ND*	NEW PUMP		_ <u>Y</u>	ES		NO
'	DV	ND*	YES		NO	✓ ND*			YI	ES		NO
ACTIVITY PEFORMED							ACTIVITY PEFORMED BY					
DATE ACTIVITY PERFO	JRMED	INDA					DATE ACTIVITY PERFORMED					
PUMP TYPE		ND*					PUMP TYPE					
PUMP MAKE		ND*				. —	PUMP MAKE	. !				
PUMP MODEL		ND*					PUMP MODEL	<u> i</u>				
PUMP INTAKE DEPTH	(ft) 	J					PUMP INTAKE DEPTH (ft)	_!				
TUBING SIZE (in)		<u> </u>					TUBING SIZE (in)					
TUBING MATERIAL		ND*					TUBING MATERIAL					
IBING LENGTH (ft)		<u>.</u>					TUBING LENGTH (ft)	1				
ING CONNECTION	I	'ND*					TUBING CONNECTION					

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2573 C-1-1		CONST DATE	LAST INSPECTION 1/1/1801 NORTHING EASTING ELEVATION	
	MEASUREMEI	IT INFORMATION			-
		LAST	CURRENT	-	:
A DEPTH TO WATER	(ft)		!		
DEPTH TO WATER	DATE				
BIDEPTH TO BOTTO	M(ft)		1		
DEPTH TO BOTTO	M DATE			A	
C STICK UP(ft)	;				1
DIREFERENCE MARK	(ft)				;
REFERENCE MARK	IS TOC YES	NO ✓ ND*	YES NO	В	
	PERFORATIO	N INFORMATION			
CASING SIZE T	ОР ВОТТОМ	CUTS/FT/ROUND		▼ Bepth to Water	:
CHANGES		·		Depth to Bottom of Well	
				Depth to Bottom	of Casing
				A DEPTH TO WATER FROM TOP OF CASING B DEPTH TO BOTTOM OF WELL FROM TOP OF CAS	ING :
	CASING I	NFORMATION		C TOP OF CASING TO GROUND SURFACE/PAD D TOP OF CASING TO SURVEY REFERENCE MARKE	R
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONNECTION THICKNESS	<u></u> .
CHANGES					
	SCREEN 1	NFORMATION			•
SIZE TOP			·	TYPE SLOT SIZE	
CHANGES					

Stort Care No. __ A 32/079 File Original and First Copy with Department of Soulogy WATER WELL REPORT UNIQUE WELL LD. . 182543-82572 Second Copy — Owner's Copy Third Copy — Driller's Copy STATE OF WASHINGTON OWNER: Name Desarthens (2) LOCATION OF WELL: County T 13 N 75 E 444 (2s) STREET ADDRESS OF WELL (or nearest subtrant) 0-0 BC Domestic (10)WELL LOG OF ANANDONMENT PROCEDURE DESCRIPTION (3) PROPOSED USE: Municipal 🗇 Industrial () Prigation Pormeton: Describe by color, character, also of material and structure, and show the and the limit and relate of the material in such stratum penetrated, with a solid. Test Wall De Winter change of information. (4) TYPE OF WORK: Owner's number of well [# more then one] Method: Dug (2 Abendoned K Bored 🗀 New well Generic. Rollery 🗆 Jetted (**) D # 3 The tollowing DIMENSIONS: Diagnoster of well inches. _feet. Depth of completed well CONSTRUCTION DETAILS: holes Ohum, from Diam. from_ Ħ Diam. from Ħ. Perforations: Yes 🔲 bentind Type of peripreter used SIZE of partic in. by ft. performione from PL 10 ۷ 740 10/05 eriorations from ft. ID Ħ. performions from ħ ft. lø affac Screens: Yes 🗔 No 🗆 Manufacturer's Nor donner Madel No. Nactes ìt. Diam, ____ Biot size **推 抽** ħ. Digm. ____ \$lot size _ No 🛄 Cirgyei packed: Yes ... Size of gravel Gravel placed from ft. 10 ft_ Ħ. Surfece seet: Yes 🗔 To what depth? Material court to seed Y== 🔲 Did any stress contain unu Type of water? Method of sealing strett of (7) PUNP: Manufacturer's N HP Тури; Work Started 8 8 95 195 18. Completed WATER LEVELS: We top of well Date WELL CONSTRUCTOR CERTIFICATION: Arientes procesure I constructed and/or accept responsibility for construction of the key of s Artesian water is controlled by (Cap, Valva, etc.) comprising with all Washington well construction standards, Manufact and conthe information reported above are true to my best knowledge and only WELL TESTS: Drawdown is smount water level is powered below static level Was a pump test made? Yes ... No 🛄 if yes, by whom? gal./min. with R. draws PAR After Recovery date (time taken as sero when pump turned on) (water layel measured from well top to water layel) into Water Layel Time Wester Layel Time Water Layel Time 7001-546-086 000 5RAY. 20 (USE ADDITIONAL SHEETS IF NECESSARY) Date of last pai /mirt. With ft. drawdown afte Ecology is an Equal Opportunity and Affirmative Action employer. For spe-_gal./min. with vium set at _ hen.

g.p.m.

_ Was a chemical analysis Made?

ECY 000-1-30 (9/96) **f ---

cial accommodation needs, contact the Water Resources Program at (206)

ů

407-8600. The TDD number is (205) 407-8006.

:LD ORDER NO ELL ID WELL NAME	B2574 C-1-2		· -		CONS	T D#	NTE	LAST INSPECTION NORTHING EASTING)N <u>:</u> -	1/1/1801		
HOST WELL ID					CONS	T DE	PTH	ELEVATION				
i L	AST INSPECTION	N INFO	RMATI	ON				CURRENT INSPECTION IN	FORM	IATION		
WELL PAD	,	. Ei	YES		NO.	~	ND*	WELL PAD		YES		NO
BRASS SURVEY MARKE	ĒR	1	YES		NO		ND*	BRASS SURVEY MARKER		YES		NO
MARKER STAMPED WI	TH SURVEY DATA	i D	YES		NO		ND*	MARKER STAMPED WITH SURVEY DATA	_ =	YES		NO
MARKER STAMPED WI	TH WELL ID DATA	, , [:	YES		NO	V	ND*	MARKER STAMPED WITH WELL ID DATA		YES		NO
WELL LABELED WITH	WELL ID		YES		NO	✓	ND*	WELL LABELED WITH WELL ID		YES	Γ]	NO
WELL LABELED WITH	WELL NAME		YES		NO		ND*	WELL LABELED WITH WELL NAME		YES		NO
PROTECTIVE POSTS			YES	1	NO	~	ND*	PROTECTIVE POSTS		YES		NO ;
REMOVABLE POST IN	PLACE	1 -	YES		NO	V	ND*	REMOVABLE POST IN PLACE	121	YES		NO
WELL LOCK		Ī :-	YES		NO		ND*	WELL LOCK		YES	Ë	NO
WELL DAMAGED			YES		NO		ND*	WELL DAMAGED		YES	_	NO :
WELL IS DRY			YES		NO		ND*	WELL IS DRY		YES		NO
PARTED CASING			YES		NO		ND*	PARTED CASING		YES		NO
BENTONITE IN WELL			YES		NO	~	ND*	BENTONITE IN WELL		YES		NO
WELL SANDED IN		-i	YES		NO		ND*	WELL SANDED IN	il	YES		NO
LAPSED CASING			YES		NO		ND*	COLLAPSED CASING		YES		NO
EQUIPMENT IN WELL		, ,	YES		NO		ND*	EQUIPMENT IN WELL	:=-	YES		NO
DEBRIS IN WELL			YES		NO	✓	ND*	DEBRIS IN WELL		YES		NO
SURFACE EROSION		T T	MAJO	R	NON			SURFACE EROSION		MAJOR		NONE
·			MINO	R 🗹	ND*	·				MINOR		
	LAST PUMP I	NFORM	ATION					CURRENT PUMP INFO	RMAT			
PUMP ACTIVITY PERF	ORMED .	· [j INSTA			_		PUMP ACTIVITY PERFORMED	 	INSTAL		
		= =	REPL			l y :	ND*	:		, REPLAC		
PUMP TESTED		=	REMO					PUMP TESTED		REMOV	ED	
NEW PUMP		<u> </u>	YES		NO		ND*	NEW PUMP	=	YES		NO_
ACTIVITY PEFORMED	RY	ND*	YES		NO		ND*	ACTIVITY PEFORMED BY	.— <u>–</u>	YES		NO
DATE ACTIVITY PERF								DATE ACTIVITY PERFORMED				
IPUMP TYPE	ORTED	! ₁ND*						PUMP TYPE	ļ			
PUMP MAKE		ND*						PUMP MAKE	:			
PUMP MODEL		ND*						PUMP MODEL				
PUMP INTAKE DEPTH								PUMP INTAKE DEPTH (ft)	:			
TUBING SIZE (in)	······································							TUBING SIZE (in)	<u> </u>			···—
TUBING MATERIAL		ND*						TUBING MATERIAL			—	
" 'BING LENGTH (ft)								TUBING LENGTH (ft)				
JAING CONNECTION	· · ·	ND*						TUBING CONNECTION	i			
)DING CONTECTION									i			

FIELD ORDER NO WELL ID WELL NAME HOST WELL ID	B2574 C-1-2		CONST DATE CONST DEPTH	LAST INSPECTION 1/1/1801 NORTHING EASTING ELEVATION						
	MEASUREME	NT INFORMATION	. <u></u>					<u>-</u>		
		LAST	CURRENT	`	- I	D C				
A DEPTH TO WATER(ft) ;				<u> </u>					
DEPTH TO WATER	DATE			" 						
B DEPTH TO BOTTON										
DEPTH TO BOTTON	1 DATE						A			
C STICK UP(ft)							"			
D REFERENCE MARK(· · · · · · · · · · · · · · · · · · ·							
REFERENCE MARK	IS TOC YES	NO 🛂 NE)* _ YES _ NO					В		
		ON INFORMATION								
CASING SIZE TO		CUTS/FT/ROUNI			W Donath	4- 34/-4				
				.	₩ neptn	to Water	<u>.</u>			
			·							
CHANGES										
					Depth to	Bottom of 1	Well			
				:		Dep	oth to Bo	ttom of Casing		
						FROM TOP OI I OF WELL FR				
	016710			C TOP O	F CASING TO	GROUND SU	IRFACE/P	AD		
	CASING I	NFORMATION		D TOP O	F CASING TO	SURVEY RE	FERENCE	MARKER		
SIZE TOP	воттом	MATERIAL	ТҮРЕ	CONNE	CTION	THICKNES	SS			
CHANGES						· · · · · · · · · · · · · · · · · · ·				
					· · · · · · · · · · · · · · · · · · ·					
							·			
	SCREEN I	NFORMATION		-						
677F TOD										
SIZE TOP	воттом	MATERIAL	TY	PE	ļ	SLOT SIZ	E			
	·						'			
CHANCEC										
CHANGES										

B2563 → B2582 Mari Card No. _ A 3-2/279 File Original and First Capy with Department of Sonlegy WATER WELL REPORT UNIQUE WELL LD. . B Z 543-B 2572 Besend Cupy — Chiner's Copy Third Copy — Orlier's Cupy STATE OF WASHINGTON OWNER: Name Department EARL GIL HAMM (2) LOCATION OF WELL: County Ko. 13 N 25 E AM 100 BC area (2a) STREET ADDRESS OF WILL (or manual address) -4 4 6 Domestic Integration PROPOSED USE: Domestic (10)WELL LOG or ARANDONMENT PROCEDURE DESCRIPTION Municipal (1) industrial [] Formation: Determine by color, sharester, also of material and structure, and above the and the idea and nature of the material in each stratum penetrated, with a white the change of information. Test Well [☐ DeWater (4) TYPE OF WORK: Owner's number of well FREE Method: Dug [] Cable [] Rolley [] Abandoned # Corned 🔲 New well Orivers 🗆 Generic. Aglei... (Jetted C TD #3 to llowing DMENSIONS: Diameter of well Inches teet. Depth of completed well. . 5 rei CONSTRUCTION DETAILS: holes Canny Installed: Diam. from _ no Cre of Diam, from M. 10 Ħ, Diam. from Ħ. ft. 10 bouthout reem SIZE of perforations 23to a han perforations from Ħ 7000 MARCE وعلمما periorations from #. perforations from se attac بامره Screens: Yes [] hole -2.01 Manufacturer's Nam 60 Турв Maxiet No. Nante 5 Sict size Slot size Grevel packed: Size of gravel Gravel placed from ft. 10 Surface seni: Yes To what depth? Material used in seel Yes [No 🗀 Did any strage portain unusable weter? Type of water? _ Method of sealing strate of PUMP: Manufacturer's N Type: _ HP 95 12. Completed Work Branched \$ 7 8 WATER LEVELS: Line-surface to w top of well Date State in a n. b WELL CONSTRUCTOR CERTIFICATION: Artesian pressure the part reputed Inch Date Artifician water is controlled by I constructed and/or accept responsibility for construction at the KW. 200 compilance with all Washington wall construction standards. Materials and one the information reported above are true to my best knowledge and pelve WELL TESTS: Drawdown is amount water level in level ottala woled berow Was a pump test made? Yes 🔲 No 🗔 If yes, by whom?_ Yield: gel/min. with it, drawidgen after, hes. 17

Weier I must

hers.

hm.

Contractor's

Recovery date (time taken as zero when pump turned oil) (weter lifted measured from well top to water level)

Water Lavel

g.p.m.

White a chemical analysis made? Yes

_ R. drawdown alter

Time

pel/min. with otom set at .

____gal./svin_with

Water Leve

Temperature of water ___

BDY 566-1-80 (8496) * * 1 -48

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-8006. The TDD number is (206) 407-8006.

(USE ADDITIONAL SHEETS IF NECESSARY)

ELD ORDER NO WELL ID	B2575 C-1-3				CON	CT DATE		LAST INSPECTION NORTHING				<u></u>
WELL NAME HOST WELL ID	C-1-3					ST DATE ST DEPTI		EASTING ELEVATION				
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						J. DC. 11		ELLYATION				
L	AST INSPECTION	INFO	RMATIC	N			CURREN	IT INSPECTION INFO	RM	ATION		
WELL PAD			YES		NO	✓ ND	WELL PAD	-		YES	Ē.	NO
BRASS SURVEY MARK	ER		YES	[]	NO	✓ ND ³	BRASS SURVEY MARK	ER		YES		NO
MARKER STAMPED W	ITH SURVEY DATA		YES	: !	NO	✓ ND°	MARKER STAMPED W			YES		NO.
MARKER STAMPED W	ITH WELL ID DATA		YES		NO	✓ ND°	MARKER STAMPED W	TTILIA/FILL TO DATA	- ,	YES		NO
WELL LABELED WITH	WELL ID	: <u>E</u> .	YES		NO	✓ ND°	WELL LABELED WITH	WELL ID		YES	,	NO
WELL LABELED WITH	WELL NAME		YES		NO	V ND³	WELL LABELED WITH			YES		NO
PROTECTIVE POSTS			YES	Ĩ.	NO	✓ ND*	PROTECTIVE POSTS		=	YES		NO
REMOVABLE POST IN	PLACE		YES		NO	✓ ND ^x				YES	_	NO
WELL LOCK		. 🗆	YES		NO	✓ ND³				YES		NO
WELL DAMAGED	· ···		YES		NO	✓ ND*			=	YES		NO
WELL IS DRY			YES		NO	✓ ND³				YES		NO
PARTED CASING		 []			NO	✓ ND*				YES	_	NO
BENTONITE IN WELL			YES		NO	✓ ND*				YES	<u> </u>	NO
WELL SANDED IN			YES		NO	✓ ND*	MELL CANDED IN			YES		NO
LAPSED CASING			YES		NO	✓ ND¹				YES		NO
EQUIPMENT IN WELL			YES	Ĺ	NO	✓ ND³				YES		NO
DEBRIS IN WELL			YES		NO	✓ ND ^a				YES		
SURFACE EROSION			MAJOR				SURFACE EROSION			MAJOR		
		<u> </u>	MINOR				İ	·		MINOR		
	LAST PUMP IN	FORM	ATION				CURI	RENT PUMP INFORMA	\TI	ON		
PUMP ACTIVITY PERF	ORMED		INSTAL	LED)	,	PUMP ACTIVITY PERF	ORMED		INSTAL	LED	
:		_	REPLAC			✓ ND*	:		Ē.	REPLAC	ΈD	
PUMP TESTED							DIMD TECTED		==-	REMOV	ED	
			YES			✓ ND*				YES		NO
NEW PUMP	DV.	IND*	YES		NO	✓ ND*		DV		YES		NO
ACTIVITY PEFORMED		!ND*					ACTIVITY PEFORMED					
DATE ACTIVITY PERFO		MD+					DATE ACTIVITY PERFO	ORMED				
PUMP TYPE		ND*					PUMP TYPE					
PUMP MAKE		ND*					PUMP MAKE					
PUMP MODEL		ND*					PUMP MODEL		<u>-</u> -			
PUMP INTAKE DEPTH	(ft) 	<u> </u> 	<u>-</u>				PUMP INTAKE DEPTH	(ft)				
TUBING SIZE (in)							TUBING SIZE (in)	!				
TUBING MATERIAL		ND*					TUBING MATERIAL	: :				
"BING LENGTH (ft)	w						TUBING LENGTH (ft)					
Jaing Connection		ND*					TUBING CONNECTION	<u> </u>				

FIELD ORDER NO						INSPECTION	ON <u>1/</u>	1/1801
WELL ID	B2575					THING	_	
WELL NAME	<u>C-1-3</u>		NST DATE		EAST:	ATION		
HOST WELL ID			NST DEPTH		ELEV	AIION		
	MEASUREMEN	T INFORMATION		——————————————————————————————————————		·····		
		LAST	CURRENT		 	р		
A DEPTH TO WATER	(ft)							
DEPTH TO WATER	DATE							
B DEPTH TO BOTTO	M(ft)							
DEPTH TO BOTTO	M DATE						A	
C STICK UP(ft)								
D REFERENCE MARK	(ft)			.				
REFERENCE MARK	IS TOC YES	NO	YES NO					В
		N INFORMATION		-				
CASING SIZE	гор воттом	CUTS/FT/ROUND			▼ Depth	to Water	<u> </u>	
				.]				
CHANGES				-	Denth to	Bottom of	Well	
					Boptii to			ottom of Casing
				A DEPT	TH TO WATER F	ROM TOP O	F CASING	3
				-	TH TO BOTTOM OF CASING TO			
	CASING II	NFORMATION			OF CASING TO			
SIZE TOP	воттом	MATERIAL	TYPE	CONN	ECTION	THICKNE	SS	
	1	M. M. (*********************************						
CHANGES								
			_			-		
	SCREEN I	NFORMATION						
SIZE TOP	воттом	MATERIAL		TYPE		SLOT SIZ	ZE.	
							:	
CHANGES								

#0Y 080-1-30 (MOS) * * 1

- File Original and First Copy with Department of Boology WATER WELL REPORT UNIQUE WELL LD. . BZ543-8 2572 Greens Copy --- Owner's Copy Third Copy --- Orliter's Dapy STATE OF WASHINGTON OWNER: Name Department of Energy (2) LOCATION OF WELL: COUNTY (2a) STREET ADDRESS OF WELL (or nearest prichase) 100 BC WELL LOG of AMANDONMENT PROCEDURE DESCRIPTION (3) PROPOSED USE: Domestic (10)Municipal D Industrial 🔯 on: Describe by opier, character, as se of metarial and structure, and stroke the letter Test Well 📋 and the kind and nature of the meterial in each stratum penetrated, change of information. (4) TYPE OF WORK: Owner's rumber of well (If more than one) MATERIAL FRGS2 Method: Dug [] JP # potes Abandoned 💇 Bared 🗆 Naw wal Orlygn 🗆 Generic Reconsitioned Retary 🗆 Jetted 🗆 to llowing DIMENSIONS: Diameter of well inches. <u>a.s</u> _lees. Depth of completed well CONSTRUCTION DETAILS: holes ipelistent po Diam. from ĸ. ft. 16 41515 acced Wate Diam. from N. 10 Ħ, Diam. from ff. to Ħ. Perforations: Yes 🔲 thruit. 120 Type of periprator used SIZE of perio rations in. by ln, e a ba ft. coordanations from 11. No 10 Blesie ععلمه eriorations from Ħ, R. perforations from Somena: Val No C Manufacturer's Nerr done Madel No. Clarke 5 Rich size R from _ Sict size (man) ħ. Grevel packed: Yes No 🗔 Size of gravel Gravel placed from ft. to et_ Surface next: Yes Ħ, To what depth? Material used in seel _ Y== [Did any strate contain unusable water? Type of weter? Death of strate Mathod of sealing strate of (7) PUMP: Manufacturer's No H.P. Тура; , 95 18. Completed WATER LEVELS: it, below top of well. Date WELL CONSTRUCTOR CERTIFICATION: COLUMN HIGH Date 1 constructed and/or accept responsibility for construction of the left of complexity with silf Washington well construction standards, Materials and recomb information reported above are true to my best knowledge project Artestan name in controlled by (Cap. William, etc.) (9) WELL TESTS: Drawdown is amount water level is concred below static level Was & pump set med#? Yes 🔲 No 🔲 if yes, by whom? Yald: . min. with العوال It draws wn after Recovery date (time taken as zero when pump turned oil) (water level measured from well top to water level. Time. Water Level. Time. Water Level. Time. Time Contractor 16 74 601-546-086 om 5est. 20 (USE ADDITIONAL SHEETS IF NECESSARY) Date of test pal./min. with hrs Ecology is an Equal Opportunity and Affirmative Action employer. For spepai /min. with otom bot at , hns. dial apparentation needs, contact the Weter Resources Program at (206). fried fow g.p.m. Date 407-8600. The TDD number is (206) 407-8006. Was a chamical analysis made? Yes 🔲 Temperature of water

A 32/079

ELD ORDER NO								LAST INSPECTION 1/1/18				
WELL ID	B2576			c	ANCT I	DATE	NORTHING EASTING		·			
WELL NAME HOST WELL ID	C-1-4				DNST I DNST I	DEPTH	ELEVATION	-				
11007 11222												
L	AST INSPECTION	INFO	RMATI	ON			CURRENT INSPECTION	INFORM	1ATION			
WELL PAD			YES	! N	10 1	✓ ND*	WELL PAD		YES		NO	
BRASS SURVEY MARKE	R		YES	N	10	✓ ND*	BRASS SURVEY MARKER		YES		NO	
MARKER STAMPED WI	TH SURVEY DATA	! =	YES	\supset N	io F	✓ ND*	MARKER STAMPED WITH SURVEY DATA	-	YES		NO	
MARKER STAMPED WI	TH WELL ID DATA	ī. J	YES	N	ю 5	✓ ND*	MARKER STAMPED WITH WELL ID DATA		YES]	NO	
WELL LABELED WITH V	WELL ID	. 🗆	YES		10	✓ ND*	WELL LABELED WITH WELL ID	1.1	YES		NO	
WELL LABELED WITH I	WELL NAME		YES	E N	10	✓ ND*	WELL LABELED WITH WELL NAME	-	YES	I_:	NO	
PROTECTIVE POSTS			YES		10	✓ ND*	PROTECTIVE POSTS		YES		NO	
REMOVABLE POST IN I	PLACE		YES	N	10	✓ ND*	REMOVABLE POST IN PLACE		YES		NO	
WELL LOCK			YES	N		✓ ND*	WELL LOCK		YES	[NO	
WELL DAMAGED			YES	N		✓ ND*	WELL DAMAGED	1 3	YES		NO	
WELL IS DRY				- : <u>-</u> N		✓ ND*	WELL IS DRY		YES			
PARTED CASING			YES			✓ ND*	PARTED CASING					
BENTONITE IN WELL			YES			✓ ND*	BENTONITE IN WELL				NO	
WELL SANDED IN			YES			✓ ND*	WELL SANDED IN		YES		NO	
LAPSED CASING		 	YES			✓ ND*	COLLAPSED CASING				NO	
EQUIPMENT IN WELL			YES			✓ ND*	EQUIPMENT IN WELL		YES		NO	
DEBRIS IN WELL			YES			✓ ND*	DEBRIS IN WELL	<u> </u>			NO	
SURFACE EROSION			MAJOI	R L N	NONE		SURFACE EROSION		MAJOR	—::::: R	NONE	
			MINO	R 💆 N	ND*			-	MINO	₹		
	LAST PUMP IN	iFORM.	ATION				CURRENT PUMP INF	ORMAT	ION			
PUMP ACTIVITY PERFO	ORMED	-	INSTA	ALLED	_	***,	PUMP ACTIVITY PERFORMED	. =	INSTA			
			REPL/		ļ <u>.</u>	ND*			REPLA	-		
DUMO TECTED		<u> </u>	REMC				PUMP TESTED	<u>L</u>	REMO			
PUMP TESTED		_	YES			✓ ND*			YES		NO	
NEW PUMP		<u> </u>	YES	i <u>N</u>	10 !	✓ ND*	NEW PUMP	- :-	YES	<u> </u>	NO	
ACTIVITY PEFORMED		ND*					ACTIVITY PEFORMED BY					
DATE ACTIVITY PERFO	ORMED						DATE ACTIVITY PERFORMED					
PUMP TYPE		ND*					PUMP TYPË	!				
PUMP MAKE		ND*					PUMP MAKE					
PUMP MODEL		ND*					IPUMP MODEL	<u>i</u>				
PUMP INTAKE DEPTH	(ft)	<u>.</u>					PUMP INTAKE DEPTH (ft)				,	
TUBING SIZE (in)		<u> </u>				·	TUBING SIZE (in)	<u> </u>				
TUBING MATERIAL		ND*					TUBING MATERIAL					
"BING LENGTH (ft)							TUBING LENGTH (ft)					
JBING CONNECTION		ND*	_				TUBING CONNECTION					

FIELD ORDER N WELL ID WELL NAME HOST WELL ID	O B2576 C-1-4		LAST INSPECTION 1/1/1801 NORTHING EASTING ELEVATION						
	MEASUREME	T INFORMATION				<u></u>	·- ·- ···		
		LAST	CURRENT	- 	┧	<u> </u>			
A DEPTH TO WATE	ER(ft)								
DEPTH TO WATE	ER DATE								
B DEPTH TO BOTT	OM(ft)			_					
DEPTH TO BOTT	OM DATE						A		
C:STICK UP(ft)									
D REFERENCE MAI	RK(ft)			-					
REFERENCE MAI	RK IS TOC - YES	NO V ND	* YES NO					В	
	PERFORATIO	N INFORMATION							
CASING SIZE	тор воттом	CUTS/FT/ROUND	j		₩ Dept	h to Water	<u></u>		
CHANGES					Depth to) Bottom of 1			
	CASING I	NFORMATION		B DEPT C TOP (H TO BOTTO OF CASING T	EROM TOP OF M OF WELL FR O GROUND SU O SURVEY RE	F CASING OM TOP (IRFACE/P	OF CASING AD	
SIZE TO	Р ВОТТОМ	MATERIAL	ТҮРЕ	CONNI	ECTION	THICKNES	SS		
CHANGES									
	SCREEN I	NFORMATION							
SIZE TO	Р ВОТТОМ	MATERIAL	; T	/PE		SLOT SIZ	E		
CHANGES									

Stort Card No. __ A 32/079 Pile Original and First Copy with Department of Society WATER WELL REPORT UNIQUE WELL ID. . BZ543-B 2582 Second Copy — Owner's Copy Third Copy — Orlitor's Dapy STATE OF WASHINGTON Department of Energy OWNER: Name Ric (2) LOCATION OF WELL: County 15 N 25 E ALL (2a) STREET ADDRESS OF WILL (or nearest activant) 100 BC , , p, PROPOSED USE: Domestic WELL LOG or AMANDONMENT PROCEDURE DESCRIPTION. (10)Industrial [Murdolpai 🖸 Prigation Test Well 📋 on: Describe by color, phyrac or, also of majorial and strategies, and about the loss DeWater -Sime Hate: and the kind and nature of the material in each stratum pe charge of information. (4) TYPE OF WORK: Owner's number of well MATERIAL 00 Method: Dug [] Çebie [] Abandoned E Bared 🗆 New wall Drivers ... note: (Generie Rotary -D #3 to llowing DIMENSIONS: Diameter of well <u> 82563-87</u> inche4 _leet. Depth of completed well . CONSTRUCTION DETAILS: Caning Inetalled: holes Diam. from ft. No it. paged Diarn. from ft. to Ħ. ft. to Diam, trem R, Perforations: Yes 🛄 partholic Type of periptator used 6 ler الخاشك SIZE of perio in, by In. e a ha an dan Coordonations from ft. ft. to 10 alese <u> 46/45</u> ariorations from Ħ, ft. to perforations from Ŕ. se atta Screens: Yes ا مدا Menutacturer's Nerr an me Туре Moder No. Charle 5 Sint size ħ mon R to _ Sict size . Diam. hom ٠ Cirgvei packad: Size of gravel Gravet placed from ft. to et. Suriese seni: Yes To what depth? ñ. Material used in seal _ Year 🔲 No 🗆 Did any strate contain unusable water? Type of water? Depth of strete Mathod of seeiing strate of (7) PUMP: Manufacturer's Na Type: H.P Work Started 8/8/95 19. Completed WATER LEVELS: Static level NAME OF THE OWNER OF THE OWNER WELL CONSTRUCTOR CERTIFICATION: Artegian pressure Artesian water in controlled by I constructed and/or accept responsibility for construction at the law. He (Cap, Wiles, etc.) complance with all Washington well construction standards. Nationals and the information reported above are true to my best knowledge and only WELL TESTS: Drawdown is amount water level is to hearts being state level Was a pump test mede? Yes 🔲 No 🛄 If yes, by whom?_ Visid: _ gail/min. with R. draws nen after Recovery data (time taken as zero when pump turned off) (water larget measured from well top to water larget Water Level Time Water Lavel Water I must Типе Contractor's No. 601-546-086 Dan 584+ 20 .. 74

hrs

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(USE ADDITIONAL SHEETS IF NECESSARY)

gupum. Dinte

Wise a chemical analysis made?

Date of less

Agains flow_

Temperature of water _

ECY 050-1-20 (9/96) * * f

_gal./min. with

gal./min. with them set at _